



भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 4 नई दिल्ली, शनिवार, जनवरी 28, 1989 (माघ 8, 1910)

No. 4] NEW DELHI, SATURDAY, JANUARY 28, 1989 (MAGHA 8. 1910)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 28th January 1989

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The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch,
Todi Estates, 3rd Floor, Lower Parel (West),
Bombay-400 013.

Telegraphic address "PATOFFICE".

The States of Gujarat, Maharashtra and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

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New Delhi-110 005

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Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O. Building,
5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-700 020

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

No. A-45911/1/88-Admin.—The following holidays will be observed by the Patent Office, Calcutta during the Calendar year 1989.

Sl. No.	Holidays & connected Festivals.	Date	Day of the week.
1.	Republic Day	January, 26	Thursday
2.	Sripanchami/Vasant Panchami	February, 10	Friday
3.	Dolyatra (Holi)	March, 22	Wednesday
4.	Good Friday	March, 24	Friday
5.	Mahabir Jayanti	April, 18	Tuesday
6.	Idu'l Fitr	May, 7	Sunday
7.	Buddha Purnima	May, 20	Saturday
8.	Idu'z Zuha (Bakrid)	July, 14	Friday
9.	Muharram	August, 13	Sunday
10.	Independence Day	August, 15	Tuesday
11.	Mahatma Gandhi's Birth Day	October, 2	Monday
12.	Addl. Day for Dusserah (Maha Navami)	October, 9	Monday
13.	Dussehra (Vijaya Dashmi)	October, 10	Tuesday
14.	Diwali (Deepavali)	October, 29	Sunday
15.	Guru Nanak's Birth Day	November, 13	Monday
16.	Christmas Day	December, 25	Monday

SHANTI KUMAR
Joint Controller of Patents & Designs

LIST OF RESTRICTED HOLIDAYS FOR THE YEAR 1989.

Sl. No.	Holidays and connected Festivals.	Date	Day of the week.
1.	New Year's Day	January, 1	Sunday
2.	Makar Sankranti	January, 14	Saturday
3.	Guru Govind Singh's Birth Day	January, 14	Saturday
4.	Pongal	January, 14	Saturday
5.	Netaji's Birth Day	January, 23	Monday
6.	Guru Ravidas' Birth Day	February, 20	Monday
7.	Hazrat Ali's Birth Day	February, 20	Monday
8.	Mahashivaratri	March, 6	Monday
9.	Sri Ram Krishna's Birth Day	March, 9	Thursday
10.	Holikadahama	March, 21	Tuesday
11.	Sab-I-Barat	March, 23	Thursday
12.	Chaita Sukladi (Gudi Padava/ Ugadi/Che'ri Chand)	April, 6	Thursday
13.	Vaisakhi	April, 13	Thursday
14.	Ram Navami/Vishu	April, 14	Friday
15.	Jamat-ul-Vida	May, 5	Friday
16.	Rabindranath's Birthday	May, 8	Monday
17.	Jamaisth	June, 9	Friday
18.	Rathayatra	July, 5	Wednesday
19.	Raksha Bandhan	August, 17	Thursday
20.	Janmashtami	August, 24	Thursday
21.	Vinayaka Chaturthi/ Ganesh Chaturthi	September, 4	Monday
22.	Onam	September, 12	Tuesday
23.	Biswakarma Puja	September, 16	Saturday
24.	Mahalaya	September, 29	Friday
25.	Durga Puja (Mahasaptami)	October, 7	Saturday
26.	Durga Puja (Mahaashtami)	October, 8	Sunday
27.	Fathia-Duwaz-Dahum (Miladun Nabi, Id-i-Milad)	October, 13	Friday
28.	Kojagari Lakshmi Puja	October, 14	Saturday
29.	Maharshi Valmiki's Birthday	October, 14	Saturday
30.	Kalipuja	October, 28	Saturday
31.	Gobardhan Puja	October, 30	Monday
32.	Bhatri Dwitiya (Bhai Duj)	October, 31	Tuesday
33.	Jagadhatri Puja	November, 7	Tuesday
34.	Guru Tegh Bahadur's Martyrdom Day	December, 3	Sunday
35.	Christmas Eve	December, 24	Sunday

CORRIGENDUM

In the Gazette of India Part-III Section 2 dated the 26th November, 1988 under the heading 'PATENT SEALED' delete 160227.

THE PATENT OFFICE

Calcutta, the 28th January 1989

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the Crescent brackets are the dates claimed under Section 135, of the Patents Act, 1970.

The 21st December 1988

- 1050/Cal/88. Jagannath Prasad Sinha. Power operated multi pronged mattock cultivator.
- 1051/Cal/88. Jagannath Prasad Sinha. A novel mechanism for power generation at rock bottom cost.
- 1052/Cal/88. Compagnie De Raffinage Et De Distribution total France S. A. Process and apparatus for fluidized-bed catalyst regeneration.
- 1053/Cal/88. Belorussky Politekhnikhesky Institut. Device for supply of coolant to cutting tools.
- 1054/Cal/88. Lanxide Technology Company, LP. Process for preparing self-supporting bodies and products made thereby.

The 22nd December 1988

- 1055/Cal/88. Klinger AG. A sealing ring for valve. [Divisional dated 3rd December, 1986].
- 1056/Cal/88. Ivano-Frankovsky Institut Nefti I Gaza. Apparatus for examining hydrodynamic properties of formation.
- 1057/Cal/88. Emitec Gesellschaft Fur Emissionstechnologie MBH. Process for producing an assembled shaft.

The 23rd December 1988

- 1058/Cal/88. Kameshwar Patralekh. A static voltage stabiliser.
- 1059/Cal/88. Arctic Ice Inc. Ice tray and ice cubes formed therein.

The 26th December 1988

- 1060/Cal/88. E. I. Du Pont De Nemours and Company. Spandex formed with a mixture of diamines.
- 1061/Cal/88. William Hemmo Kampen. Process and apparatus for manufacturing ethanol, glycerol, succinic acid and distiller's dry grain and solubles.
- 1062/Cal/88. FMI Full mold International GmbH. Lost pattern for production of full mold made of a plastic foam material, particularly expanded polystyrene.
- 1063/Cal/88. Mohammad Taghi Naderi. Evaporative cooler with ventilative device.
- 1064/Cal/88. Dr. Binod Kumar Varma. A process for obtaining kusum seed animal feedstock or feedstock-supplement.

The 27th December 1988

- 1065/Cal/88. Fratelli Lamberti S.p.A. Process for preparation of modified galactomannans.
- 1066/Cal/88. Naja International Inc. Power transmission apparatus.
- 1067/Cal/88. Hoechst Aktiengesellschaft. Process for the purification of 2-hydroxynaphthalene-6-carboxylic acid.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, 3RD FLOOR, KAROL BAGH, NEW DELHI-110005

The 28th November 1988

- 1029/Del/88. Noor Ahmed. "Lock for brief case or the like."

- 1030/Del/88. Mohammed Shakir Qidwai, "A pump".

- 1031/Del/88. Imperial Chemical Industries PLC., "Co-polymer". (Convention date 22nd December, 1987) (U.K.).

- 1032/Del/88. The lubrizol Corporation, "Borated and non-borated overbased carboxylates as corrosion inhibitors".

- 1033/Del/88. Kisuzemi Innovacios Iroda Noviki, & Others, "Apparatus and process for purification of surface waters".

- 1034/Del/88. Brissonneau & Lotz Marine, "Thermal-energy refrigerating appliance".

- 1035/Del/88. Exxon Chemical Patents, Inc., "Method for preparing a supported metallocene-alumoxane catalyst for gas phase polymerization".

The 29th November 1988

- 1036/Del/88. Jagson Pal Pharmaceuticals Ltd., "Continuous process for making industrial scale acid chlorides".

- 1037/Del/88. Michael Collins, "Rice press rollers".

- 1038/Del/88. Council of Scientific & Industrial Research, "A process for the production of alloys having electrical activity".

- 1039/Del/88. Council of Scientific & Industrial Research, "A process for the extraction of copper nickel and cobalt metal values from manganese nodules in ammoniacal medium using elemental sulphur as the reductant".

- 1040/Del/88. Council of Scientific & Industrial Research, "A process for the isolation and purification of a new ribonuclease from cobra venom (Naja Naja)".

- 1041/Del/88. Dharam Paul Jindal and Manga Ram Yadav, "A process for the preparation of 4, 17 B-dideoxy-3-oxo-4-androstene-2 & carbonitrile 17-acetate".

- 1042/Del/88. Additional Secretary, "An improved process for the preparation of dialkyl aryl acetamides".

- 1043/Del/88. Central Council for Research in Ayurveda and Siddha, "Isolation of a therapeutically active principle "NIMBATIKTAM" from neem oil".

- 1044/Del/88. Modern Balance works, "A hood".

- 1045/Del/88. Interlego A.G., "A toy vehicle".

- 1046/Del/88. Lone Star Industries, Inc., "Hydraulic cement and composition employing the same".

- 1047/Del/88. Solvay & Cie, "Process for the polymerization of alphaolefins, solid catalyst complexes which can be employed for this polymerization and process for their preparation".

- 1048/Del/88. Union Rheinische Braunkohlen Kraftstoff AG., "Improved burner gun construction for gasification reactors".

The 30th November 1988

- 1049/Del/88. Goro S.A., "A hinge-pin for coupling the ends of a conveyor belt or the like".

The 1st December 1988

- 1050/Del/88. Council of Scientific & Industrial Research, "A process preparation of crystalline microporous aluminophosphate useful as catalyst and adsorbent".

- 1051/Del/88. Council of Scientific & Industrial Research, "A process for oxidative conversion of methane to C₂ hydrocarbons using rare earth metal promoted alkaline earth metal oxides as catalysts".

- 1052/Del/88. Council of Scientific & Industrial Research, "Improvements over the immobilization of emyloglucosidase enzyme for continuous starch hydrolysis".

- 1053/Del/88. Council of Scientific & Industrial Research, "Improvements relating to the hydrolysis of cassava flour by enzymes".

- 1054/Del/88. Whirlpool Corporation. "Flotation controlled drive for an automatic washer".
- 1055/Del/88. Modern Balance Works & Others. "A negative ion generator".
- 1056/Del/88. Motorola Inc. "Method and arrangement for a sigma delta converter for bandpass signals".
- 1057/Del/88. Motorola Inc. "Digital speech coder having improved vector excitation source".
- 1058/Del/88. Guy Gaudfrin. "A filter installation incorporating a filter". [Divisional date 7th October, 1986].

The 2nd December 1988

- 1059/Del/88. Vsesojuzny Nauchno-issledovatel'sky proektno-konstruktor'sky i tekhnologicheskyy akkumulyatornyy Institut. "Electric battery".
- 1060/Del/88. AVL Gesellschaft Fur Verbrennungs-Kraftmaschinen und messtechnik MBH. "A charge amplifier circuit".

APPLICATION FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, 3RD FLOOR, SUNMILL COMPOUND, LOWER PAREL (W), BOMBAY-13

The 28th November 1988

- 327/Bom/88. Prabhakar Damodar Godbole. Emergency hoist for automatic tilting gate.

The 2nd December 1988

- 328/Bom/88. V.I.P. Industries Limited. A lever tumbler type lock with anchoring means for use in a suitcase or briefcase and a suitcase or briefcase having the same.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 12th December 1988

- 876/Mas/88. K. Seshadri. I.S.P.G. Apparatus or "Sudarsan Chakra".
- 877/Mas/88. Dr. Jose Thakattil. Suspension device.
- 878/Mas/88. The Central Silk Technological Research Institute. A multi end silk reeling machine.
- 879/Mas/88. Haynes International, Inc. Nitrogen strengthened Fe-Ni-Cr Alloy.
- 880/Mas/88. Minnesota Mining and Manufacturing Company. Cable closure end cap.
- 881/Mas/88. Versatronics Ltd. Apparatus and method for the manufacture of printed circuit board and prototypes. (December 10, 1987; United Kingdom).
- 882/Mas/88. Alltrack Limited. Tyre Construction. (December 15, 1987; Australia).
- The 13th December 1988
- 883/Mas/88. U.O.P. Fibrous absorbent articles having enhanced deodorising properties.
- 884/Mas/88. Minnesota Mining and Manufacturing Company. Two step wire connection and cut-off terminal.
- 885/Mas/88. BBC Brown Boveri AG. Thyristor with turn off facility and overvoltage protection.
- The 14th December 1988
- 886/Mas/88. Kabushiki Kaisha Myukomu. Cancelling circuit and transmission system.
- 887/Mas/88. Maschinenfabrik Rieter AG. Method of and apparatus for heat dissipation.
- 888/Mas/88. Engelhard De Meern B.V. Chemical reaction and catalyst suitable therefor.
- 889/88. Spandrel Establishment. Integrating cavity (October 5, 1984; Great Britain). (Patent of Divisional to 781/Mas/85).
- 890/Mas/88. Schubert & Salzer Maschinenfabrik Aktiengesellschaft. A twist device for spinning fibres into a thread.

- 891/Mas/88. V. Balakrishnan. An improved refrigeration equipment.
- 892/Mas/88. Lucas Industries Public Limited Company. Brake Lubrication System.
- 893/Mas/88. Lucas Industries Public Limited Company. Air Chamber Mounting Device.

The 15th December 1988

- 894/Mas/88. American Telephone and Telegraph Company. High and Low Pressure Fluid-block Assembly. (January 21, 1988; Australia).
- 895/Mas/88. Atochem. Process for the manufacture of hydrofluoric acid by reaction of sulphuric acid with fluorospar in a rotating oven. (Divisional to Patent No. 348/Mas/85).

The 16th December 1988

- 896/Mas/88. General Motors Corporation. An improved gas permeable metal casting mold having gas collection voids (Divisional to Patent Application No. 365/Mas/85).

[Claim under Section 20(1)]

(1)

The Claim made by Satter White Industries Inc. Under Section 20(1) of the Patents Act 1970 to proceed the application for Patent No. 153177 in their name has been allowed.

[Claim under Section 20(1)]

(2)

The claim made by Beehive Machinery Inc. Under Section 20(1) of the Patents Act 1970 to proceed the application for Patent No. 156813 in their name has been allowed.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT 1970

(3)

The claim made by Bandag Licensing Corporation under section 20(1) of the Patent Act 1970 to proceed the Application for Patent No. 156271 in their name has been allowed.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT 1970

The claim made by Bandag Licensing Corporation under section 20(1) of the Patents Act 1970 to proceed the Application for Patent No. 156272 in their name has been allowed.

PATENTS SEALED

151003	153177	154221	155275	155482	156271	156272
156813	157473	158708	158776	159033	159376	159377
161413	161483	161745	161961	162085	162307	162380
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RENEWAL FEES PAID

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152264	152301	152537	152575	152596	152660	152835
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CESSATION OF PATENTS

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145404	145405	145406				

RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration Patent No. 154461 dated the 27-10-1982 made by Krishna Iyer Ramani on the 15-5-1987 and notified in the Gazette of India, Part III, Section 2 dated the 18-6-1988 has been allowed and the said Patent restored.

REVOCATION PROCEEDINGS

Patent No. 152272 has been revoked by the dictated order dated 18-04-1988 of the High Court at Calcutta under Section 64 of the Patents Act, 1970.

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 159782. M/s. Gulati Auto Electricals, A 21/16, Industrial Area Naraina Phase II, New Delhi-28 (India) an Indian Partnership firm. "Cable Lock". 9th June, 1988.

Class 1. No. 159847. Dripless Faucets (India) B-170-Okhla Industrial Area, Phase-I, New Delhi-110020, India. An Indian Company. "Knob". 20th June, 1988.

Class 1. No. 159848. Dripless Faucets (India) B-170-Okhla Industrial Area. Phase-I, New Delhi-110020, India. An Indian Company. "Shower". 20th June, 1988.

Class 1. No. 159864. Goyal Engineers Private Limited, 34, Transport Centre, Near General Store, Rohtak, Road, Delhi-110035, India, an Indian Private Limited Company, Indian National of above address. "Gas Burner". 21st June, 1988.

Class 1. No. 159921. Klockner Windsor India Ltd., Vatva Works, 5403, G.I.D.C. Industrial Estate, Phase-IV, Vatva, P.B. No. 83, Ahmedabad-382445, Gujarat, India. "Rotating Die". 6th Jul, 1988.

Class 3. No. 159722. Eagle Flask Private Limited, an Indian Company, at Eagle Estate, Talegaon-410 507, District Pune, Maharashtra, State, India. "Lighter". 20th May, 1988.

Class 3. No. 159750. Teknic Controls, of 116 Hammer-smith Industrial Estate, Mahim, Bombay-400016, Maharashtra, India, an Indian Company. "Control Device". 26th May, 1988.

Class 3. Nos. 159892 to 159898. Bata India Limited, 30, Shakespeare Sarani, Calcutta-700 017, West Bengal, India. "a sole for the footwear". 28th June, 1988.

Class 3. No. 159915. Chemical Centre, 3842/4, Chowk Tel Mandi, New Delhi-110055, India, an Indian Proprietary concern. "Bottle". 5th July, 1988.

Class 3. No. 159922. S. K. Industries, 15, Street No. 4, West Chander Nagar Delhi-51, India. "Self Inking Stamp". 6th July, 1988.

Class 3. No. 159924. Pro-Tech Sports, an Indian Partnership Firm, at 505/4, G.I.D.C. Makarpura Vadodara-390010, State of Gujarat, India. "Helmet For Sportsman". 7th July, 1988.

Class 3. No. 159929. Chemical Centre 3842/4, Chowk Tel Mandi, New Delhi-110055 India, An Indian Proprietor concern. "Toilet Cake Hanger". 11th July, 1988.

Class 3. Nos. 160274. Bata India Limited, 30, Shakespeare Sarani, Calcutta-700 017, West Bengal, India. "a footwear".

Class 3. No. 160395. Bata India Limited, 30 Shakespeare Sarani, Calcutta-700 017, West Bengal, India. "a sole for the footwear". 14th October, 1988.

Class 4. No. 159974. Vintex, a Registered Partnership firm carrying on business of Swadeshi Mills Estates, 1st Floor, Tata Road No. 1, (Lane of Roxy Cinema) Opera House, Bombay-400 004, Maharashtra, India. "Rooftiles". 21st July, 1988.

Class 4. No. 160042. Kenzo, a Company organised under the laws of France with registered office at 3 Place des Victoires, 75001 Paris, France. "a Bottle". 19th August, 1988.

Class 10. Nos. 159333 & 159334. Bata India Limited, 30, Shakespeare, Sarani, Calcutta-700 017, West Bengal, India. "a footwear". 27th January, 1988.

Class 10. Nos. 159886 to 159889. Bata India Limited, 30, Shakespeare Sarani, Calcutta-700017, West Bengal, India. "Footwear". 28th June, 1988.

Class 10. No. 160020. M/s. Alert India, a Partnership firm with Ashwani Kumar Sachdeva and Harsh Kumar Sachdeva, both of them being Indian nationals of 308/7 B. Shahzada Bagh, Daya Basti, Old Rohtak Road, Delhi-35, India. "Sole of Footwear". 8th August, 1988.

Class 10. Nos. 160264 to 160273. Bata India Limited, 30, Shakespeare Sarani, Calcutta 700 017, West Bengal, India. "a footwear". 14th October, 1988.

APPLICATION NUMBER INDEX OF COMPLETE SPECIFICATION ACCEP- TED		1981 (contd.)		1982 (contd.)	
(158656—161600)					
1972		549/Del/81	159139	1045/Cal/82	159615
73/Cal/72	159610	616/Del/81	159647	1054/Cal/82	159610
1976		619/Del/81	160195	1055/Cal/82	159505
733/Cal/76	159199	620/Del/81	157740	1067/Cal/82	159203
1977		635/Del/81	158868	1073/Cal/82	159976
1775/Cal/77	158847	677/Del/81	160877	1082/Cal/82	158955
1979		683/Del/81	159899	1091/Cal/82	159577
168/Del/79	158927	688/Del/81	159392	1096/Cal/82	158853
270/Del/79	159119	784/Del/81	159209	1099/Cal/82	158854
751/Del/79	161169	791/Del/81	161503	1106/Cal/82	159204
1980		792/Del/81	160191	1107/Cal/82	161170
777/Cal/80	160798	802/Del/81	159808	1110/Cal/82	158956
9/Del/80	159734	1982		1116/Cal/82	161012
278/Del/80	159102	31/Cal/82	159609	1118/Cal/82	159205
338/Del/80	160138	92/Cal/82	158850	1120/Cal/82	159587
352/Del/80	159891	136/Cal/82	159230	1121/Cal/82	161013
485/Del/80	160542	171/Cal/82	160962	1122/Cal/82	161014
488/Del/80	160972	178/Cal/82	161002	1124/Cal/82	161015
571/Del/80	160339	264/Cal/82	158947	1137/Cal/82	158731
668/Del/80	160883	281/Cal/82	158851	1147/Cal/82	159627
699/Del/80	159643	293/Cal/82	159503	1158/Cal/82	159506
701/Del/80	160192	317/Cal/82	159231	1174/Cal/82	159628
813/Del/80	159904	318/Cal/82	158729	1240/Cal/82	159508
791/Del/80	159807	374/Cal/82	160800	1281/Cal/82	159206
840/Del/80	159645	390/Cal/82	158948	1293/Cal/82	160802
1981		418/Cal/82	158852	1304/Cal/82	158957
222/Cal/81	159502	433/Cal/82	158949	1305/Cal/82	160078
763/Cal/81	159608	443/Cal/82	150801	1306/Cal/82	158732
1016/Cal/81	158848	449/Cal/82	158950	1315/Cal/82	159629
1114/Cal/81	160799	455/Cal/82	158951	1318/Cal/82	159507
1147/Cal/81	158849	472/Cal/82	159149	1331/Cal/82	159630
12/Cal/81	159391	476/Cal/82	158951	1405/Cal/82	160079
13/Del/81	159391	484/Cal/82	161003	1406/Cal/82	161016
51/Del/81	160581	485/Cal/82	159611	1410/Cal/82	158855
55/Del/81	159831	519/Cal/82	161004	1411/Cal/82	158856
154/Del/81	160786	553/Cal/82	158952	1450/Cal/82	158733
206/Del/81	158885	612/Cal/82	159612	1474/Cal/82	158734
280/Del/81	159892	616/Cal/82	159232	1484/Cal/82	158735
287/Del/81	160268	771/Cal/82	159233	1488/Cal/82	161017
293/Del/81	160193	791/Cal/82	159613	1490/Cal/82	161018
320/Del/81	160276	837/Cal/82	159504	1492/Cal/82	159207
329/Del/81	160269	850/Cal/82	159234	1496/Cal/82	159631
375/Del/81	161541	864/Cal/82	158953	1502/Cal/82	159509
429/Del/81	158867	882/Cal/82	159235	1503/Cal/82	159208
500/Del/81	160168	883/Cal/82	161010	1511/Cal/82	159632
537/Del/81	160194	884/Cal/82	159614	51/Mas/82	159510
		896/Cal/82	159421	187/Mas/82	159511
		902/Cal/82	161281	238/Mas/82	159512
		1020/Cal/82	159200	22/Del/82	159210
		1026/Cal/82	159202	39/Del/82	159361
		1027/Cal/82	158954	62/Del/82	159311
		1032/Cal/82	159201	73/Del/82	161211
		1036/Cal/82	158730	101/Del/82	159894
			161011	102/Del/82	159362
				149/Del/82	158869

1982 (contd.)	1982 (contd.)	1982 (contd.)	1982 (contd.)
179/Del/82	159540	742/Del/82	159069
193/Del/82	160139	747/Del/82	160196
210/Del/82	161481	749/Del/82	159211
217/Del/82	158968	751/Del/82	159111
232/Del/82	159756	760/Del/82	158959
251/Del/82	158837	761/Del/82	159759
294/Del/82	159895	765/Del/82	159276
329/Del/82	158877	767/Del/82	159112
331/Del/82	159809	769/Del/82	160197
332/Del/82	160683	777/Del/82	158841
345/Del/82	158969	779/Del/82	158657
381/Del/82	158970	780/Del/82	158658
393/Del/82	158870	781/Del/82	159212
394/Del/82	158971	792/Del/82	159543
399/Del/82	159363	794/Del/82	159113
406/Del/82	159364	797/Del/82	158962
419/Del/82	159757	798/Del/82	158659
456/Del/82	158972	799/Del/82	159901
487/Del/82	159270	804/Del/82	159114
493/Del/82	159896	810/Del/82	159115
494/Del/82	158973	811/Del/82	158842
503/Del/82	159897	815/Del/82	158960
524/Del/82	159898	817/Del/82	158872
526/Del/82	158838	818/Del/82	158961
532/Del/82	159758	820/Del/82	158937
538/Del/82	158878	821/Del/82	158938
560/Del/82	158974	822/Del/82	159116
564/Del/82	158975	823/Del/82	158939
568/Del/82	158976	826/Del/82	159902
571/Del/82	159271	836/Del/82	158940
573/Del/82	158871	837/Del/82	158873
580/Del/82	158839	840/Del/82	158689
586/Del/82	158977	841/Del/82	158991
587/Del/82	159060	842/Del/82	158941
591/Del/82	159061	846/Del/82	158690
595/Del/82	159062	847/Del/82	158942
604/Del/82	159541	848/Del/82	158843
605/Del/82	159821	852/Del/82	158669
606/Del/82	158879	853/Del/82	158844
607/Del/82	158880	855/Del/82	158992
608/Del/82	158881	856/Del/82	159213
611/Del/82	159063	857/Del/82	160198
612/Del/82	159272	858/Del/82	158691
613/Del/82	159365	859/Del/82	158670
616/Del/82	159366	862/Del/82	158943
622/Del/82	158989	863/Del/82	158944
624/Del/82	159367	864/Del/82	159214
637/Del/82	159542	865/Del/82	159277
645/Del/82	158882	867/Del/82	158671
657/Del/82	158883	868/Del/82	158672
659/Del/82	159064	869/Del/82	159117
667/Del/82	158990	871/Del/82	159760
674/Del/82	158840	872/Del/82	158993
680/Del/82	159065	873/Del/82	158845
681/Del/82	158656	879/Del/82	158692
682/Del/82	159066	880/Del/82	158963
691/Del/82	159067	883/Del/82	159215
695/Del/82	159368	888/Del/82	159544
710/Del/82	158884	891/Del/82	159278
719/Del/82	159273	893/Del/82	159216
723/Del/82	160140	895/Del/82	159545
729/Del/82	158928	896/Del/82	158693
731/Del/82	158958	897/Del/82	159217
733/Del/82	159068	900/Del/82	158994
737/Del/82	159274	902/Del/82	158673
738/Del/82	159275	904/Del/82	158694
		907/Del/82	158995
		908/Del/82	158874
		909/Del/82	158846
		910/Del/82	159546
		912/Del/82	158945
		913/Del/82	159218
		915/Del/82	158964
		918/Del/82	158946
		919/Del/82	158695
		920/Del/82	159279
		922/Del/82	158996
		923/Del/82	158696
		924/Del/82	159369
		925/Del/82	158997
		928/Del/82	159547
		929/Del/82	160659
		930/Del/82	158674
		933/Del/82	158929
		934/Del/82	159903
		935/Del/82	158697
		936/Del/82	158698
		937/Del/82	158807
		938/Del/82	158875
		939/Del/82	159370
		940/Del/82	159761
		941/Del/82	158876
		944/Del/82	158998
		946/Del/82	158808
		947/Del/82	159762
		948/Del/82	158886
		1983	
		2/Cal/83	158978
		6/Cal/83	159236
		7/Cal/83	159530
		9/Cal/83	161381
		12/Cal/83	159237
		15/Cal/83	160981
		16/Cal/83	160803
		17/Cal/83	159238
		25/Cal/83	160804
		42/Cal/83	159871
		43/Cal/83	159872
		50/Cal/83	160982
		60/Cal/83	158979
		61/Cal/83	160983
		65/Cal/83	161557
		66/Cal/83	159321
		67/Cal/83	159531
		68/Cal/83	160984
		102/Cal/83	160690
		116/Cal/83	161462
		130/Cal/83	160080
		137/Cal/83	158980
		150/Cal/83	159873
		156/Cal/83	160363
		158/Cal/83	159874
		159/Cal/83	159876
		166/Cal/83	159875
		171/Cal/83	158981
		173/Cal/83	160054
		174/Cal/83	161113
		175/Cal/83	159239
		181/Cal/83	158736
		183/Cal/83	159532
		185/Cal/83	159260

1983 (contd.)	1983 (contd.)	1983 (contd.)	1983 (contd.)
190/Cal/83	158982	439/Cal/83	159292
193/Cal/83	158983	442/Cal/83	159153
197/Cal/83	160366	444/Cal/83	159843
210/Cal/83	158738	458/Cal/83	159003
211/Cal/83	161241	445/Cal/83	160362
212/Cal/83	158984	458/Cal/83	159003
213/Cal/83	158737	463/Cal/83	159004
218/Cal/83	159261	464/Cal/83	159005
219/Cal/83	159150	472/Cal/83	158769
222/Cal/83	159877	477/Cal/83	159006
225/Cal/83	161342	487/Cal/83	161571
226/Cal/83	159533	490/Cal/83	159007
229/Cal/83	159151	491/Cal/83	158770
235/Cal/83	160985	495/Cal/83	159154
242/Cal/83	158985	500/Cal/83	159293
245/Cal/83	159262	503/Cal/83	159294
247/Cal/83	161005	511/Cal/83	161019
259/Cal/83	160805	512/Cal/83	161020
260/Cal/83	159878	513/Cal/83	161021
279/Cal/83	159263	518/Cal/83	159844
282/Cal/83	160986	519/Cal/83	161022
289/Cal/83	159055	520/Cal/83	159537
294/Cal/83	159534	524/Cal/83	159845
302/Cal/83	161331	527/Cal/83	159008
308/Cal/83	161331	528/Cal/83	159099
309/Cal/83	159880	529/Cal/83	158771
316/Cal/83	159535	535/Cal/83	159030
322/Cal/83	159264	539/Cal/83	159846
327/Cal/83	169265	540/Cal/83	159847
328/Cal/83	158986	541/Cal/83	158772
329/Cal/83	159946	543/Cal/83	160807
334/Cal/83	160963	545/Cal/83	159295
336/Cal/83	158741	546/Cal/83	160808
343/Cal/83	159947	547/Cal/83	159296
345/Cal/83	159536	548/Cal/83	159031
346/Cal/83	161084	549/Cal/83	159155
352/Cal/83	158742	550/Cal/83	158773
353/Cal/83	158743	559/Cal/83	159157
357/Cal/83	158744	564/Cal/83	159539
358/Cal/83	158987	566/Cal/83	160809
359/Cal/83	158988	567/Cal/83	159848
361/Cal/83	158739	570/Cal/83	159032
362/Cal/83	158745	575/Cal/83	159396
363/Cal/83	161007	583/Cal/83	161023
365/Cal/83	158999	585/Cal/83	159297
366/Cal/83	158740	586/Cal/83	158774
367/Cal/83	161006	587/Cal/83	159033
373/Cal/83	159000	587/Cal/83	159053
379/Cal/83	159266	588/Cal/83	158775
381/Cal/83	159841	589/Cal/83	158776
390/Cal/83	159267	590/Cal/83	158777
391/Cal/83	158746	591/Cal/83	159849
394/Cal/83	159268	593/Cal/83	161024
397/Cal/83	159269	595/Cal/83	159949
399/Cal/83	161300	597/Cal/83	158788
400/Cal/83	161114	602/Cal/83	160691
401/Cal/83	159291	603/Cal/83	161025
406/Cal/83	158747	604/Cal/83	161026
407/Cal/83	158748	609/Cal/83	161027
409/Cal/83	160806	610/Cal/83	161242
410/Cal/83	161511	612/Cal/83	160081
412/Cal/83	159001	613/Cal/83	159850
419/Cal/83	159002	620/Cal/83	159034
421/Cal/83	159842	629/Cal/83	160810
437/Cal/83	161008	631/Cal/83	159787
438/Cal/83	161009	632/Cal/83	159788
		633/Cal/83	159298
		642/Cal/83	159539
		645/Cal/83	158789
		651/Cal/83	159156
		655/Cal/83	161028
		659/Cal/83	159158
		660/Cal/83	158790
		661/Cal/83	159299
		662/Cal/83	159130
		663/Cal/83	159550
		665/Cal/83	158660
		669/Cal/83	158661
		674/Cal/83	158791
		678/Cal/83	160987
		679/Cal/83	160692
		680/Cal/83	160988
		681/Cal/83	160989
		682/Cal/83	160990
		684/Cal/83	160991
		685/Cal/83	160992
		696/Cal/83	160993
		688/Cal/83	160811
		689/Cal/83	160812
		691/Cal/83	160813
		693/Cal/83	160814
		700/Cal/83	158792
		702/Cal/83	159035
		704/Cal/83	159036
		706/Cal/83	159037
		707/Cal/83	158793
		709/Cal/83	158664
		710/Cal/83	158794
		711/Cal/83	158795
		712/Cal/83	159038
		716/Cal/83	159551
		717/Cal/83	159552
		718/Cal/83	159789
		721/Cal/83	158662
		726/Cal/83	159132
		727/Cal/83	158796
		729/Cal/83	160693
		730/Cal/83	159039
		732/Cal/83	159050
		735/Cal/83	159051
		736/Cal/83	158663
		738/Cal/83	159322
		739/Cal/83	159052
		742/Cal/83	159553
		743/Cal/83	159323
		744/Cal/83	158665
		745/Cal/83	160996
		746/Cal/83	160994
		750/Cal/83	158666
		751/Cal/83	158667
		754/Cal/83	159324
		755/Cal/83	159325
		756/Cal/83	158668
		757/Cal/83	158679
		758/Cal/83	159790
		761/Cal/83	160815
		762/Cal/83	161382
		763/Cal/83	159791
		773/Cal/83	160082
		777/Cal/83	158797
		778/Cal/83	159792
		782/Cal/83	158680
		787/Cal/83	159554
		788/Cal/83	158681

1983 (contd.)		1983 (contd.)		1983 (contd.)	
789/Cal/83	161061	901/Cal/83	158824	1023/Cal/83	161040
790/Cal/83	159053	907/Cal/83	159569	1024/Cal/83	159079
793/Cal/83	159054	909/Cal/83	159327	1015/Cal/83	159356
794/Cal/83	158682	911/Cal/83	159071	1027/Cal/83	159091
795/Cal/83	160083	912/Cal/83	159075	1028/Cal/83	160694
796/Cal/83	161383	913/Cal/83	158825	1029/Cal/83	161062
799/Cal/83	160995	914/Cal/83	159570	1030/Cal/83	159092
800/Cal/83	161029	916/Cal/83	158701	1031/Cal/83	161341
801/Cal/83	161030	917/Cal/83	159328	1032/Cal/83	158704
804/Cal/83	161031	918/Cal/83	159076	1035/Cal/83	159093
807/Cal/83	161221	919/Cal/83	159977	1036/Cal/83	159135
808/Cal/83	161032	920/Cal/83	159133	1038/Cal/83	159357
809/Cal/83	161033	924/Cal/83	159072	1039/Cal/83	160110
810/Cal/83	161034	927/Cal/83	158826	1048/Cal/83	161303
812/Cal/83	160616	928/Cal/83	161385	1051/Cal/83	160825
813/Cal/83	159950	935/Cal/83	159738	1052/Cal/83	159574
815/Cal/83	158683	943/Cal/83	161036	1053/Cal/83	160695
816/Cal/83	159555	947/Cal/83	159951	1054/Cal/83	159358
817/Cal/83	161332	948/Cal/83	161039	1056/Cal/83	160111
818/Cal/83	160847	949/Cal/83	159571	1057/Cal/83	159743
819/Cal/83	160817	950/Cal/83	159572	1059/Cal/83	161333
820/Cal/83	160818	951/Cal/83	160848	1061/Cal/83	161201
821/Cal/83	159793	953/Cal/83	161515	1062/Cal/83	160696
824/Cal/83	158684	955/Cal/83	160822	1065/Cal/83	161124
825/Cal/83	160819	960/Cal/83	159739	1066/Cal/83	161222
826/Cal/83	159556	963/Cal/83	161474	1069/Cal/83	159744
828/Cal/83	158685	966/Cal/83	160086	1070/Cal/83	160964
831/Cal/83	160084	967/Cal/83	159329	1072/Cal/83	159745
832/Cal/83	159557	969/Cal/83	161075	1074/Cal/83	159978
834/Cal/83	159056	970/Cal/83	158887	1075/Cal/83	159094
838/Cal/83	158686	971/Cal/83	158702	1077/Cal/83	161475
839/Cal/83	158817	973/Cal/83	159573	1078/Cal/83	161476
840/Cal/83	159059	974/Cal/83	158703	1081/Cal/83	159136
841/Cal/83	159070	975/Cal/83	159073	1082/Cal/83	159716
845/Cal/83	158687	976/Cal/83	160087	1083/Cal/83	161251
846/Cal/83	159057	978/Cal/83	161302	1084/Cal/83	161171
849/Cal/83	159058	979/Cal/83	159351	1085/Cal/83	159575
850/Cal/83	159558	980/Cal/83	158383	1086/Cal/83	159979
852/Cal/83	159326	981/Cal/83	158089	1089/Cal/83	159952
853/Cal/83	160321	982/Cal/83	158890	1090/Cal/83	159576
855/Cal/83	159794	984/Cal/83	159077	1095/Cal/83	159359
856/Cal/83	159559	987/Cal/83	160849	1099/Cal/83	161041
858/Cal/83	158818	988/Cal/83	161461	1100/Cal/83	159717
861/Cal/83	158819	989/Cal/83	159352	1105/Cal/83	159718
862/Cal/83	160085	990/Cal/83	161553	1106/Cal/83	159360
865/Cal/83	158820	991/Cal/83	159740	1108/Cal/83	159980
866/Cal/83	161512	992/Cal/83	159074	1111/Cal/83	159719
867/Cal/83	159795	993/Cal/83	159353	1114/Cal/83	160361
868/Cal/83	161384	994/Cal/83	159354	1115/Cal/83	159434
869/Cal/83	159796	996/Cal/83	160108	1117/Cal/83	160365
872/Cal/83	159736	997/Cal/83	161386	1123/Cal/83	161042
875/Cal/83	161039	998/Cal/83	159355	1124/Cal/83	161043
877/Cal/83	159737	999/Cal/83	161554	1126/Cal/83	159435
878/Cal/83	160820	1000/Cal/83	161037	1127/Cal/83	159436
880/Cal/83	158821	1001/Cal/83	161038	1130/Cal/83	161334
881/Cal/83	158688	1003/Cal/83	161555	1133/Cal/83	160967
886/Cal/83	160821	1008/Cal/83	160823	1134/Cal/83	160826
892/Cal/83	158699	1009/Cal/83	160824	1136/Cal/83	160922
894/Cal/83	161074	1010/Cal/83	159741	1142/Cal/83	161051
896/Cal/83	158822	1011/Cal/83	160109	1144/Cal/83	160850
898/Cal/83	158700	1013/Cal/83	159134	1145/Cal/83	159578
899/Cal/83	158823	1014/Cal/83	159742	1147/Cal/83	161514
		1021/Cal/83	158891		
		1022/Cal/83	159078		

1983 (contd.)	1983 (contd.)	1983 (contd.)	1983 (contd.)
1152/Cal/83	159720	1310/Cal/83	159452
1154/Cal/83	161223	1312/Cal/83	160112
1155/Cal/83	159437	1313/Cal/83	159103
1156/Cal/83	159095	1315/Cal/83	160700
1159/Cal/83	160697	1316/Cal/83	159424
1160/Cal/83	160048	1317/Cal/83	161552
1163/Cal/83	161343	1319/Cal/83	159425
1164/Cal/83	158705	1321/Cal/83	160113
1165/Cal/83	159438	1322/Cal/83	160933
1167/Cal/83	161243	1323/Cal/83	161572
1171/Cal/83	161125	1342/Cal/83	159685
1174/Cal/83	159439	1343/Cal/83	159686
1177/Cal/83	159137	1345/Cal/83	161388
1184/Cal/83	161556	1357/Cal/83	159138
1191/Cal/83	160923	1358/Cal/83	161045
1192/Cal/83	160932	1359/Cal/83	159426
1194/Cal/83	159445	1363/Cal/83	160934
1198/Cal/83	159440	1364/Cal/83	159954
1199/Cal/83	159721	1365/Cal/83	158707
1200/Cal/83	160698	1366/Cal/83	159687
1201/Cal/83	161335	1367/Cal/83	161389
1202/Cal/83	159441	1368/Cal/83	161116
1203/Cal/83	159442	1369/Cal/83	159688
1204/Cal/83	159443	1370/Cal/83	159453
1211/Cal/83	160965	1371/Cal/83	161117
1212/Cal/83	160966	1372/Cal/83	160114
1218/Cal/83	159722	1375/Cal/83	161252
1221/Cal/83	159096	1376/Cal/83	159169
1226/Cal/83	159953	1378/Cal/83	159104
1228/Cal/83	159723	1382/Cal/83	161391
1230/Cal/83	159446	1386/Cal/83	161573
1231/Cal/83	158892	1389/Cal/83	159427
1232/Cal/83	159422	1397/Cal/83	161390
1235/Cal/83	159447	1401/Cal/83	159689
1236/Cal/83	159448	1412/Cal/83	158708
1237/Cal/83	159097	1415/Cal/83	158895
1238/Cal/83	158893	1416/Cal/83	158896
1240/Cal/83	160699	1417/Cal/83	159428
1243/Cal/83	160851	1418/Cal/83	158917
1246/Cal/83	158706	1419/Cal/83	159454
1249/Cal/83	159724	1420/Cal/83	158918
1251/Cal/83	161063	1421/Cal/83	159690
1253/Cal/83	159098	1422/Cal/83	159105
1254/Cal/83	161304	1423/Cal/83	159955
1260/Cal/83	161115	1426/Cal/83	160115
1263/Cal/83	159725	1427/Cal/83	161392
1270/Cal/83	161558	1434/Cal/83	159493
1271/Cal/83	159682	1438/Cal/83	160364
1273/Cal/83	159683	1440/Cal/83	161463
1275/Cal/83	159449	1441/Cal/83	159330
1276/Cal/83	160924	1443/Cal/83	161574
1285/Cal/83	158894	1446/Cal/83	161575
1286/Cal/83	159099	1447/Cal/83	159691
1288/Cal/83	161085	1465/Cal/83	159663
1290/Cal/83	159100	1470/Cal/83	159664
1291/Cal/83	159450	1474/Cal/83	160925
1293/Cal/83	161044	1475/Cal/83	159665
1294/Cal/83	159101	1476/Cal/83	160926
1296/Cal/83	159451	1479/Cal/83	161515
1298/Cal/83	159290	1481/Cal/83	159429
1307/Cal/83	159423	1483/Cal/83	160852
1308/Cal/83	159684	1484/Cal/83	159196
1309/Cal/83	161052	1485/Cal/83	160119
		1486/Cal/83	159666
		1487/Cal/83	159170
		1488/Cal/83	161576
		1489/Cal/83	161577
		1490/Cal/83	159494
		1493/Cal/83	161344
		1495/Cal/83	160701
		1500/Cal/83	159430
		1502/Cal/83	159495
		1504/Cal/83	161365
		1505/Cal/83	161559
		1506/Cal/83	161336
		1507/Cal/83	161471
		1508/Cal/83	169107
		1511/Cal/83	161444
		1515/Cal/83	161516
		1525/Cal/83	161393
		1527/Cal/83	161046
		1528/Cal/83	160117
		1529/Cal/83	161253
		1531/Cal/83	161345
		1537/Cal/83	160927
		1539/Cal/83	160928
		1542/Cal/83	159667
		1543/Cal/83	160853
		1547/Cal/83	158919
		1548/Cal/83	161477
		1549/Cal/83	159381
		1552/Cal/83	161337
		1553/Cal/83	159108
		1568/Cal/83	160854
		1569/Cal/83	161306
		1570/Cal/83	159668
		1573/Cal/83	159171
		1579/Cal/83	159496
		1580/Cal/83	159382
		1581/Cal/83	159669
		1584/Cal/83	159109
		1587/Cal/83	161517
		1590/Cal/83	161394
		1595/Cal/83	161395
		1602/Cal/83	159383
		75/Bom/83	158749
		139/Bom/83	158750
		239/Bom/83	158751
		271/Bom/83	158752
		290/Bom/83	158753
		300/Bom/83	159081
		318/Bom/83	158754
		341/Bom/83	158755
		350/Bom/83	158756
		362/Bom/83	158778
		373/Bom/83	158757
		374/Bom/83	159777
		389/Bom/83	158779
		402/Bom/83	159966
		24/Mas/83	159189
		35/Mas/83	158709
		60/Mas/83	159513
		61/Mas/83	158710
		66/Mas/83	159767
		74/Mas/83	158711
		91/Mas/83	160232
		92/Mas/83	160233
		93/Mas/83	160234
		116/Mas/83	158712
		119/Mas/83	159514
		122/Mas/83	159797

1983 (contd.)		1983 (contd.)		1983 (contd.)	
125/Mas/83	159515	32/Del/83	159649	130/Del/83	159561
137/Mas/83	158713	33/Del/83	160660	131/Del/83	159312
138/Mas/83	159190	34/Del/83	159181	134/Del/83	159255
142/Mas/83	159191	35/Del/83	159143	135/Del/83	159256
145/Mas/83	158714	40/Del/83	158815	137/Del/83	159342
151/Mas/83	159192	41/Del/83	159144	138/Del/83	159855
153/Mas/83	159193	42/Del/83	159182	141/Del/83	160661
155/Mas/83	159194	43/Del/83	159184	142/Del/83	159958
156/Mas/83	159516	45/Del/83	159473	143/Del/83	159959
161/Mas/83	159195	46/Del/83	159251	144/Del/83	159457
165/Mas/83		49/Del/83	159183	145/Del/83	159014
193/Mas/83	160621	50/Del/83	159560	146/Del/83	159015
167/Mas/83	159517	52/Del/83	159332	148/Del/83	159476
168/Mas/83	159518	53/Del/83	159474	151/Del/83	159856
176/Mas/83	159768	54/Del/83	159549	152/Del/83	159313
181/Mas/83	159769	56/Del/83	158816	154/Del/83	159187
184/Mas/83	160422	57/Del/83	159405	155/Del/83	159016
185/Mas/83	160235	58/Del/83	159406	158/Del/83	159017
186/Mas/83	160236	59/Del/83	159282	159/Del/83	159020
188/Mas/83	159711	61/Del/83	160088	161/Del/83	159458
190/Mas/83	160237	65/Del/83	159283	162/Del/83	159040
195/Mas/83	159770	67/Del/83	158897	163/Del/83	160402
199/Mas/83	159771	74/Del/83	159673	165/Del/83	159652
201/Mas/83	159196	75/Del/83	158898	166/Del/83	158932
206/Mas/83	159197	76/Del/83	159280	167/Del/83	160008
208/Mas/83	159198	77/Del/83	159284	169/Del/83	158933
209/Mas/83	159519	78/Del/83	159185	170/Del/83	159314
211/Mas/83	160423	79/Del/83	158899	171/Del/83	159018
212/Mas/83	160424	80/Del/83	158900	172/Del/83	159041
213/Mas/83	160238	82/Del/83	160658	174/Del/83	159021
216/Mas/83	159772	83/Del/83	160401	175/Del/83	159833
217/Mas/83	160239	86/Del/83	159285	179/Del/83	159022
219/Mas/83	159773	87/Del/83	158901	180/Del/83	159023
223/Mas/83	160703	88/Del/83	158902	185/Del/83	159395
224/Mas/83	158715	90/Del/83	159455	286/Del/83	159834
226/Mas/83	159227	91/Del/83	159010	187/Del/83	159459
231/Mas/83	158716	92/Del/83	159821	191/Del/83	159315
232/Mas/83	158717	93/Del/83	159823	192/Del/83	159257
233/Mas/83	158718	96/Del/83	159019	193/Del/83	159397
234/Mas/83	159228	97/Del/83	159956	194/Del/83	159042
237/Mas/83	160631	100/Del/83	159674	195/Del/83	159043
238/Mas/83	160630	101/Del/83	159252	196/Del/83	159310
240/Mas/83	159774	102/Del/83	159463	198/Del/83	159044
243/Mas/83	160425	103/Del/83	158676	201/Del/83	159287
4/Del/83	159179	104/Del/83	159333	202/Del/83	159258
5/Del/83	158809	105/Del/83	159650	203/Del/83	159145
6/Del/83	159303	106/Del/83	159011	204/Del/83	159300
8/Del/83	158675	107/Del/83	159853	206/Del/83	159316
9/Del/83	159281	108/Del/83	159253	207/Del/83	159146
10/Del/83	158810	109/Del/83	158903	208/Del/83	159317
11/Del/83	159140	110/Del/83	159012	209/Del/83	160403
13/Del/83	160543	111/Del/83	158904	210/Del/83	159259
14/Del/83	159142	113/Del/83	159186	211/Del/83	160009
15/Del/83	158930	114/Del/83	159286	212/Del/83	159024
18/Del/83	159851	115/Del/83	159407	214/Del/83	158907
19/Del/83	158811	116/Del/83	159854	216/Del/83	159371
20/Del/83	158812	117/Del/83	158931	218/Del/83	159188
21/Del/83	158813	118/Del/83	159254	219/Del/83	159464
22/Del/83	159852	119/Del/83	159957	220/Del/83	159318
23/Del/83	159302	120/Del/83	159013	221/Del/83	158908
24/Del/83	159331	121/Del/83	159675	225/Del/83	159465
25/Del/83	159250	123/Del/83	159651	226/Del/83	159466
27/Del/83	158814	125/Del/83	159475	227/Del/83	160182
30/Del/83	159548	127/Del/83	159456	228/Del/83	159372
31/Del/83	159180	128/Del/83	158905	229/Del/83	158909
		129/Del/83	158906	232/Del/83	159676
				233/Del/83	160010
				234/Del/83	158910

1983 (contd.)		1983 (contd.)		1983 (contd.)	
235/Del/83	159888	326/Del/83	158965	416/Del/83	159414
236/Del/83	159045	328/Del/83	159335	419/Del/83	159376
237/Del/83	159147	331/Del/83	159301	420/Del/83	159377
238/Del/83	158861	335/Del/83	159478	422/Del/83	160016
239/Del/83	159288	336/Del/83	159163	423/Del/83	160017
240/Del/83	158911	337/Del/83	159882	424/Del/83	159378
241/Del/83	158862	338/Del/83	159564	425/Del/83	159884
242/Del/83	160662	339/Del/83	158860	426/Del/83	159861
244/Del/83	158912	340/Del/83	160183	427/Del/83	159338
247/Del/83	159824	341/Del/83	159836	428/Del/83	159402
248/Del/83	159046	342/Del/83	159858	429/Del/83	159403
249/Del/83	159467	343/Del/83	159565	430/Del/83	159479
250/Del/83	158913	346/Del/83	159411	432/Del/83	159828
251/Del/83	159047	347/Del/83	159026	433/Del/83	159567
252/Del/83	158914	348/Del/83	159412	434/Del/83	159379
254/Del/83	159373	349/Del/83	160012	435/Del/83	159746
255/Del/83	159677	350/Del/83	159336	436/Del/83	159419
256/Del/83	159319	351/Del/83	160878	437/Del/83	160038
258/Del/83	159460	356/Del/83	160143	438/Del/83	159964
261/Del/83	159960	357/Del/83	159471	440/Del/83	159965
263/Del/83	159562	359/Del/83	159859	441/Del/83	159763
264/Del/83	159468	360/Del/83	159289	442/Del/83	160039
267/Del/83	159159	364/Del/83	159962	443/Del/83	159622
269/Del/83	159374	365/Del/83	159343	444/Del/83	159623
270/Del/83	159563	366/Del/83	159027	445/Del/83	159624
271/Del/83	160663	367/Del/83	159617	446/Del/83	159692
272/Del/83	159320	368/Del/83	159618	447/Del/83	159304
273/Del/83	158677	370/Del/83	159164	449/Del/83	159380
275/Del/83	160212	371/Del/83	159963	451/Del/83	160976
277/Del/83	158915	372/Del/83	160213	452/Del/83	159480
279/Del/83	158934	373/Del/83	160214	453/Del/83	159472
281/Del/83	159825	374/Del/83	160215	454/Del/83	160040
282/Del/83	158935	375/Del/83	159344	455/Del/83	159693
283/Del/83	158863	376/Del/83	159345	456/Del/83	159986
284/Del/83	158857	377/Del/83	159346	459/Del/83	159481
285/Del/83	158858	378/Del/83	159398	461/Del/83	160404
286/Del/83	160011	379/Del/83	159347	462/Del/83	159404
287/Del/83	159160	380/Del/83	160013	463/Del/83	158966
288/Del/83	159462	382/Del/83	159413	464/Del/83	159625
290/Del/83	159048	384/Del/83	159348	466/Del/83	158967
292/Del/83	160141	385/Del/83	159619	467/Del/83	158936
293/Del/83	159461	386/Del/83	159399	468/Del/83	159747
294/Del/83	159477	387/Del/83	159349	471/Del/83	159166
295/Del/83	159408	388/Del/83	159350	474/Del/83	159626
296/Del/83	159409	389/Del/83	159566	475/Del/83	160146
297/Del/83	160680	391/Del/83	159620	476/Del/83	159339
298/Del/83	159826	393/Del/83	159881	477/Del/83	160405
299/Del/83	159161	394/Del/83	161542	479/Del/83	159482
300/Del/83	159469	395/Del/83	161543	480/Del/83	158864
301/Del/83	160142	399/Del/83	160144	481/Del/83	160667
302/Del/83	159657	400/Del/83	160145	482/Del/83	159167
303/Del/83	158678	401/Del/83	159827	483/Del/83	159305
305/Del/83	158865	402/Del/83	159678	484/Del/83	159028
307/Del/83	159470	403/Del/83	160089	485/Del/83	160680
308/Del/83	159334	404/Del/83	159679	486/Del/83	159694
309/Del/83	159835	405/Del/83	159400	487/Del/83	159568
312/Del/83	158859	406/Del/83	159375	489/Del/83	159987
313/Del/83	160664	407/Del/83	160668	390/Del/83	159340
315/Del/83	159341	408/Del/83	159165	493/Del/83	160041
316/Del/83	158916	409/Del/83	160014	495/Del/83	159988
317/Del/83	159410	410/Del/83	159883	498/Del/83	159695
319/Del/83	159049	411/Del/83	159621	499/Del/83	159029
320/Del/83	159961	412/Del/83	159337	500/Del/83	159588
322/Del/83	159162	413/Del/83	159860	501/Del/83	159306
324/Del/83	159025	414/Del/83	160015	502/Del/83	160147

1983 (contd.)		1983 (contd.)		1983 (contd.)	
503/Del/83	160042	618/Del/83	159416	728/Del/83	159766
506/Del/83	159989	619/Del/83	159593	730/Del/83	160512
507/Del/83	159907	620/Del/83	159594	731/Del/83	160095
508/Del/83	160879	624/Del/83	159921	733/Del/83	160513
510/Del/83	160406	626/Del/83	159148	734/Del/83	160076
511/Del/83	160665	628/Del/83	159595	735/Del/83	160177
512/Del/83	160092	629/Del/83	159596	740/Del/83	160514
514/Del/83	160043	630/Del/83	160093	744/Del/83	160515
515/Del/83	159726	634/Del/83	161501	745/Del/83	160516
516/Del/83	159748	635/Del/83	159597	746/Del/83	159646
517/Del/83	159735	637/Del/83	159417	749/Del/83	160517
518/Del/83	159727	638/Del/83	159431	750/Del/83	160178
520/Del/83	159589	639/Del/83	160442	751/Del/83	160179
523/Del/83	159728	642/Del/83	159700	752/Del/83	159755
524/Del/83	159908	643/Del/83	160409	754/Del/83	160546
525/Del/83	160955	651/Del/83	159922	755/Del/83	159702
527/Del/83	159862	652/Del/83	160069	756/Del/83	160447
528/Del/83	159729	653/Del/83	160956	757/Del/83	159810
529/Del/83	159730	654/Del/83	160443	758/Del/83	159703
533/Del/83	159590	657/Del/83	160351	759/Del/83	159869
535/Del/83	159749	658/Del/83	160070	760/Del/83	159309
536/Del/83	160407	659/Del/83	159418	761/Del/83	160884
537/Del/83	160172	667/Del/83	160352	764/Del/83	160838
538/Del/83	159764	668/Del/83	159307	766/Del/83	160682
539/Del/83	159420	669/Del/83	159905	767/Del/83	160547
540/Del/83	159680	670/Del/83	159906	770/Del/83	160077
541/Del/83	159681	673/Del/83	159753	771/Del/83	160776
543/Del/83	160044	676/Del/83	160094	774/Del/83	160180
544/Del/83	160090	677/Del/83	158866	775/Del/83	160354
545/Del/83	159591	678/Del/83	159308	776/Del/83	160096
546/Del/83	160666	680/Del/83	159868	777/Del/83	159837
548/Del/83	159863	681/Del/83	159168	778/Del/83	160518
549/Del/83	159750	682/Del/83	160071	780/Del/83	160184
550/Del/83	160173	683/Del/83	160149	781/Del/83	160519
552/Del/83	160045	684/Del/83	160353	788/Del/83	160520
554/Del/83	159864	685/Del/83	160531	791/Del/83	160448
558/Del/83	159765	686/Del/83	160072	793/Del/83	160535
559/Del/83	159415	689/Del/83	160073	794/Del/83	160355
561/Del/83	159865	692/Del/83	159923	795/Del/83	160536
565/Del/83	159733	693/Del/83	160444	796/Del/83	159925
567/Del/83	160046	695/Del/83	160175	798/Del/83	160548
568/Del/83	159829	696/Del/83	160074	799/Del/83	160839
569/Del/83	160880	698/Del/83	161231	802/Del/83	160537
571/Del/83	159696	699/Del/83	160218	803/Del/83	160538
572/Del/83	160091	700/Del/83	160219	804/Del/83	159926
573/Del/83	159751	701/Del/83	160881	808/Del/83	159705
575/Del/83	159909	702/Del/83	160532	812/Del/83	160097
576/Del/83	159830	704/Del/83	160445	815/Del/83	160777
578/Del/83	160408	706/Del/83	160533	818/Del/83	160181
580/Del/83	159866	710/Del/83	160200	819/Del/83	160356
582/Del/83	160047	711/Del/83	150199	820/Del/83	159927
583/Del/83	159697	712/Del/83	160446	821/Del/83	160185
586/Del/83	159698	714/Del/83	160544	823/Del/83	160186
587/Del/83	160669	715/Del/83	160176	824/Del/83	160539
591/Del/83	161129	716/Del/83	159701	825/Del/83	160549
592/Del/83	160068	717/Del/83	159924	826/Del/83	160187
594/Del/83	159867	718/Del/83	160882	827/Del/83	160188
595/Del/83	159910	719/Del/83	160534	828/Del/83	160550
602/Del/83	160216	720/Del/83	160670	829/Del/83	159870
605/Del/83	160174	721/Del/83	160220	831/Del/83	160957
607/Del/83	160217	722/Del/83	160221	832/Del/83	160189
610/Del/83	159699	723/Del/83	160837	834/Del/83	160357
611/Del/83	159752	724/Del/83	160075	836/Del/83	160150
612/Del/83	160148	725/Del/83	160545	837/Del/83	159928
614/Del/83	159592	727/Del/83	159754	838/Del/83	160449
				840/Del/83	159704

1983 Contd.)	1984 (contd.)	1984 (contd.)	1984 (contd.)
841/Del/83	160358	138/Cal/84	161120
843/Del/83	160450	139/Cal/84	161339
846/Del/83	160451	146/Cal/84	161174
847/Del/83	160572	162/Cal/84	159912
849/Del/83	160359	163/Cal/84	159120
850/Del/83	160540	164/Cal/84	159913
852/Del/83	160541	165/Cal/84	159914
853/Del/83	159432	166/Cal/84	161065
858/Del/83	160551	168/Cal/84	159484
859/Del/83	159929	173/Cal/84	160856
860/Del/83	159930	174/Cal/84	160713
861/Del/83	160190	189/Cal/84	160970
862/Del/83	159731	190/Cal/84	160930
863/Del/83	159732	192/Cal/84	160866
864/Del/83	159931	197/Cal/84	159915
866/Del/83	159118	198/Cal/84	159485
867/Del/83	160360	203/Cal/84	161397
		204/Cal/84	161066
		225/Cal/84	159388
		230/Cal/84	159982
1984		233/Cal/84	159390
2/Cal/84	160968	240/Cal/84	159486
6/Cal/84	160855	248/Cal/84	160155
9/Cal/84	160151	251/Cal/84	160156
15/Cal/84	161118	257/Cal/84	159121
17/Cal/84	159384	264/Cal/84	161076
18/Cal/84	159172	265/Cal/84	161067
20/Cal/84	161464	270/Cal/84	159122
21/Cal/84	159385	271/Cal/84	160157
24/Cal/84	160935	273/Cal/84	159487
28/Cal/84	160969	274/Cal/84	161225
34/Cal/84	161254	275/Cal/84	161048
39/Cal/84	159497	277/Cal/84	161398
40/Cal/84	159670	279/Cal/84	161560
43/Cal/84	160322	286/Cal/84	161058
47/Cal/84	161578	288/Cal/84	160159
51/Cal/84	158920	295/Cal/84	159916
52/Cal/84	161064	298/Cal/84	159488
53/Cal/84	159386	305/Cal/84	159917
54/Cal/84	161173	313/Cal/84	161068
56/Cal/84	160152	325/Cal/84	160714
58/Cal/84	158921	326/Cal/84	159918
59/Cal/84	160153	334/Cal/84	159123
60/Cal/84	161119	339/Cal/84	161126
65/Cal/84	161047	341/Cal/84	161399
70/Cal/84	160929	342/Cal/84	160931
75/Cal/84	159671	348/Cal/84	161049
76/Cal/84	159173	353/Cal/84	159948
77/Cal/84	160154	355/Cal/84	160160
80/Cal/84	159498	356/Cal/84	160325
82/Cal/84	159499	357/Cal/84	160326
85/Cal/84	161255	359/Cal/84	159152
92/Cal/84	159500	362/Cal/84	161256
94/Cal/84	159387	365/Cal/84	160327
95/Cal/84	160323	367/Cal/84	161346
99/Cal/84	159672	368/Cal/84	160936
100/Cal/84	160324	369/Cal/84	160867
105/Cal/84	159911	370/Cal/84	161478
108/Cal/84	159110	372/Cal/84	159124
109/Cal/84	159483	385/Cal/84	161069
121/Cal/84	159389	387/Cal/84	161077
123/Cal/84	159981	401/Cal/84	159489
124/Cal/84	161224	406/Cal/84	160222
125/Cal/84	160712	416/Cal/84	161301
126/Cal/84	161518	425/Cal/84	160715
134/Cal/84	161396	429/Cal/84	158922
		431/Cal/84	160223
		432/Cal/84	160224
		433/Cal/84	159983
		436/Cal/84	160716
		437/Cal/84	161400
		442/Cal/84	159125
		443/Cal/84	159490
		444/Cal/84	161347
		447/Cal/84	161348
		450/Cal/84	161227
		454/Cal/84	159919
		455/Cal/84	159491
		465/Cal/84	161349
		466/Cal/84	161350
		467/Cal/84	160937
		477/Cal/84	159492
		486/Cal/84	159579
		489/Cal/84	158923
		492/Cal/84	161472
		494/Cal/84	161465
		495/Cal/84	160868
		497/Cal/84	161244
		507/Cal/84	161175
		508/Cal/84	160225
		515/Cal/84	159229
		522/Cal/84	161176
		523/Cal/84	160717
		527/Cal/84	161307
		528/Cal/84	161177
		529/Cal/84	161245
		547/Cal/84	161226
		561/Cal/84	160869
		563/Cal/84	159580
		564/Cal/84	160226
		565/Cal/84	161078
		576/Cal/84	161338
		579/Cal/84	160328
		586/Cal/84	159581
		593/Cal/84	159920
		598/Cal/84	160227
		603/Cal/84	159126
		608/Cal/84	161246
		617/Cal/84	159127
		618/Cal/84	159128
		619/Cal/84	159129
		623/Cal/84	160018
		624/Cal/84	161519
		627/Cal/84	161257
		628/Cal/84	160019
		631/Cal/84	161308
		632/Cal/84	160020
		633/Cal/84	160021
		635/Cal/84	160022
		636/Cal/84	160023
		637/Cal/84	161079
		639/Cal/84	161258
		640/Cal/84	159582
		642/Cal/84	161127
		645/Cal/84	160938
		655/Cal/84	160024
		664/Cal/84	160025
		666/Cal/84	160026
		671/Cal/84	159131
		675/Cal/84	160027
		691/Cal/84	159984
		704/Cal/84	161401

1984 (contd.)	1984 (contd.)	1984 (contd.)
705/Cal/84	161080	130/Bom/84
708/Cal/84	161551	132/Bom/84
713/Cal/84	159174	138/Bom/84
714/Cal/84	159583	139/Bom/84
721/Cal/84	161402	159/Bom/84
723/Cal/84	161228	161/Bom/84
724/Cal/84	161473	162/Bom/84
725/Cal/84	160228	163/Bom/84
732/Cal/84	160939	164/Bom/84
744/Cal/84	160971	165/Bom/84
778/Cal/84	161070	166/Bom/84
783/Cal/84	161081	169/Bom/84
790/Cal/84	159175	175/Bom/84
791/Cal/84	160718	185/Bom/84
794/Cal/84	159985	188/Bom/84
804/Cal/84	160229	191/Bom/84
811/Cal/84	160719	200/Bom/84
812/Cal/84	160870	202/Bom/84
813/Cal/84	160329	211/Bom/84
819/Cal/84	160330	212/Bom/84
822/Cal/84	161071	213/Bom/84
824/Cal/84	159584	215/Bom/84
826/Cal/84	161082	221/Bom/84
858/Cal/84	161121	224/Bom/84
862/Cal/84	160997	226/Bom/84
882/Cal/84	160230	229/Bom/84
892/Cal/84	160871	230/Bom/84
894/Cal/84	160720	233/Bom/84
895/Cal/84	161229	235/Bom/84
1214/Cal/84	161387	238/Bom/84
3122/Cal/84	159501	240/Bom/84
7/Bom/84	158765	241/Bom/84
11/Bom/84	159080	250/Bom/84
12/Bom/84	158798	251/Bom/84
17/Bom/84	159778	256/Bom/84
19/Bom/84	158780	262/Bom/84
27/Bom/84	158758	263/Bom/84
28/Bom/84	158759	266/Bom/84
32/Bom/84	159967	267/Bom/84
34/Bom/84	158781	268/Bom/84
38/Bom/84	158799	269/Bom/84
40/Bom/84	158800	270/Bom/84
42/Bom/84	158760	273/Bom/84
47/Bom/84	159082	274/Bom/84
48/Bom/84	158782	279/Bom/84
53/Bom/84	159968	280/Bom/84
54/Bom/84	158783	282/Bom/84
58/Bom/84	158784	285/Bom/84
59/Bom/84	158785	286/Bom/84
63/Bom/84	158786	287/Bom/84
64/Bom/84	158781	290/Bom/84
84/Bom/84	159969	291/Bom/84
92/Bom/84	159970	292/Bom/84
96/Bom/84	159083	294/Bom/84
99/Bom/84	159779	295/Bom/84
103/Bom/84	159780	298/Bom/84
104/Bom/84	159971	299/Bom/84
113/Bom/84	159972	302/Bom/84
115/Bom/84	159973	307/Bom/84
120/Bom/84	159781	308/Bom/84
122/Bom/84	159974	309/Bom/84
123/Bom/84	159975	314/Bom/84
125/Bom/84	159997	317/Bom/84
129/Bom/84	159782	320/Bom/84
		321/Bom/84
		324/Bom/84
		325/Bom/84
		159783
		159998
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		159084
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		160642
		160858
		160000
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		158762
		159784
		160001
		160002
		160759
		160003
		159785
		161095
		160860
		161096
		160643
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		161312
		158763
		158301
		160004
		159085
		158764
		161313
		161139
		160005
		159393
		159786
		161097
		158802
		160006
		159086
		160007
		159932
		161592
		159087
		161593
		161594
		158803
		159933
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		159088
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		161098
		159937
		158804
		161595
		161596
		159090
		161314
		161315
		159938
		160644
		158766
		159939
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		158805
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		338/Bom/84
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		79/Mas/84
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		161100
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		159944
		160861
		160862
		161101
		158767
		161102
		161103
		161140
		161104
		161598
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		161106
		161107
		158806
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		159520
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		160129
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		159219
		158719
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		160343
		159635
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		159636
		159637
		159243
		159638
		159798
		160130
		159244
		159245
		159246
		159220
		159247
		159248
		159249
		159522
		159523
		160240
		159639
		161180
		159221
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		159800
		159525
		159526
		159801
		159527
		159706
		159775

1984 (contd.)	1984 (contd.)	1984 (contd.)	1984 (contd.)
81/Mas/84	159222	169/Mas/84	159658
82/Mas/84	160303	171/Mas/84	160501
83/Mas/84	160632	172/Mas/84	160429
84/Mas/84	159802	175/Mas/84	160307
86/Mas/84	159803	177/Mas/84	159599
87/Mas/84	159223	179/Mas/84	160346
88/Mas/84	158720	181/Mas/84	159401
91/Mas/84	158721	182/Mas/84	159659
92/Mas/84	159804	183/Mas/84	160317
93/Mas/84	160243	186/Mas/84	159600
94/Mas/84	159776	187/Mas/84	160318
95/Mas/84	159707	189/Mas/84	160319
98/Mas/84	158722	190/Mas/84	160347
100/Mas/84	159528	191/Mas/84	160411
101/Mas/84	158723	192/Mas/84	159601
102/Mas/84	159224	194/Mas/84	159712
103/Mas/84	159225	196/Mas/84	158725
104/Mas/84	160131	199/Mas/84	159602
105/Mas/84	159226	200/Mas/84	160308
106/Mas/84	159640	201/Mas/84	159660
107/Mas/84	159805	203/Mas/84	160348
109/Mas/84	159806	205/Mas/84	159661
111/Mas/84	160244	206/Mas/84	160137
113/Mas/84	160492	207/Mas/84	159662
114/Mas/84	160132	208/Mas/84	161181
115/Mas/84	159529	209/Mas/84	160431
116/Mas/84	160313	210/Mas/84	159603
117/Mas/84	160493	212/Mas/84	160633
118/Mas/84	159641	213/Mas/84	160349
119/Mas/84	160494	217/Mas/84	160412
121/Mas/84	160133	218/Mas/84	160309
122/Mas/84	159653	219/Mas/84	160413
124/Mas/84	160702	220/Mas/84	160320
125/Mas/84	160495	221/Mas/84	160482
126/Mas/84	160427	222/Mas/84	160634
129/Mas/84	160314	223/Mas/84	160591
130/Mas/84	160241	224/Mas/84	160592
131/Mas/84	160304	225/Mas/84	160350
132/Mas/84	159654	226/Mas/84	158726
134/Mas/84	159708	229/Mas/84	160120
135/Mas/84	159655	230/Mas/84	160414
138/Mas/84	160134	231/Mas/84	160594
139/Mas/84	160344	234/Mas/84	160483
141/Mas/84	160496	235/Mas/84	160245
142/Mas/84	159642	236/Mas/84	160635
143/Mas/84	160497	237/Mas/84	160246
144/Mas/84	159656	238/Mas/84	160484
145/Mas/84	159709	239/Mas/84	160595
146/Mas/84	160428	242/Mas/84	160415
147/Mas/84	160345	244/Mas/84	160597
148/Mas/84	160498	245/Mas/84	160598
149/Mas/84	160499	246/Mas/84	160599
153/Mas/84	160118	247/Mas/84	160636
154/Mas/84	160305	251/Mas/84	160310
156/Mas/84	160135	252/Mas/84	160121
157/Mas/84	159657	257/Mas/84	161351
159/Mas/84	160315	261/Mas/84	160486
160/Mas/84	160119	262/Mas/84	160487
161/Mas/84	158724	263/Mas/84	160637
162/Mas/84	159598	264/Mas/84	160704
163/Mas/84	160306	266/Mas/84	160488
164/Mas/84	159710	268/Mas/84	160622
166/Mas/84	160136	269/Mas/84	160638
167/Mas/84	160500	270/Mas/84	160639
168/Mas/84	160316	271/Mas/84	160705
		272/Mas/84	160723
		274/Mas/84	160489
		276/Mas/84	160724
		277/Mas/84	160725
		279/Mas/84	160623
		281/Mas/84	160490
		282/Mas/84	160491
		285/Mas/84	160391
		287/Mas/84	160706
		289/Mas/84	159713
		291/Mas/84	160624
		292/Mas/84	160912
		295/Mas/84	160625
		297/Mas/84	160707
		298/Mas/84	160708
		305/Mas/84	160392
		309/Mas/84	160393
		310/Mas/84	160394
		314/Mas/84	160709
		315/Mas/84	159714
		316/Mas/84	160395
		317/Mas/84	160787
		324/Mas/84	161090
		330/Mas/84	160593
		335/Mas/84	160710
		337/Mas/84	160893
		338/Mas/84	160894
		339/Mas/84	160788
		340/Mas/84	160396
		341/Mas/84	160626
		343/Mas/84	160596
		344/Mas/84	160952
		345/Mas/84	160895
		347/Mas/84	160711
		349/Mas/84	160671
		350/Mas/84	160397
		351/Mas/84	160672
		352/Mas/84	159604
		354/Mas/84	160398
		355/Mas/84	160600
		356/Mas/84	161182
		357/Mas/84	160648
		358/Mas/84	160896
		359/Mas/84	160953
		360/Mas/84	160627
		361/Mas/84	160399
		362/Mas/84	160789
		363/Mas/84	160673
		365/Mas/84	160897
		366/Mas/84	161183
		367/Mas/84	161352
		368/Mas/84	161431
		369/Mas/84	160649
		372/Mas/84	160913
		373/Mas/84	160790
		375/Mas/84	161353
		376/Mas/84	160416
		377/Mas/84	160650
		379/Mas/84	160674
		380/Mas/84	160791
		381/Mas/84	160628
		382/Mas/84	160400
		383/Mas/84	161441
		384/Mas/84	161354
		385/Mas/84	161184
		386/Mas/84	160371
		387/Mas/84	161355

1984 (contd.)	1984 (contd.)	1984 (contd.)	1984 (contd.)
388/Mas/84	161185	485/Mas/84	161532
392/Mas/84	160372	488/Mas/84	160728
393/Mas/84	161186	489/Mas/84	161437
396/Mas/84	160373	490/Mas/84	161365
397/Mas/84	160914	491/Mas/84	161366
398/Mas/84	160675	492/Mas/84	161533
400/Mas/84	160651	494/Mas/84	160122
401/Mas/84	160915	496/Mas/84	160918
402/Mas/84	161091	502/Mas/84	160875
403/Mas/84	160629	507/Mas/84	161195
405/Mas/84	160374	508/Mas/84	161534
406/Mas/84	160676	509/Mas/84	161535
408/Mas/84	161187	511/Mas/84	161536
409/Mas/84	161188	512/Mas/84	160729
410/Mas/84	161190	517/Mas/84	160730
411/Mas/84	161356	519/Mas/84	160919
415/Mas/84	160916	520/Mas/84	161092
417/Mas/84	160726	521/Mas/84	160123
420/Mas/84	161191	523/Mas/84	160418
422/Mas/84	160375	524/Mas/84	160920
423/Mas/84	160376	536/Mas/84	160379
424/Mas/84	160377	538/Mas/84	161438
425/Mas/84	160652	539/Mas/84	160380
426/Mas/84	161442	540/Mas/84	161537
427/Mas/84	161443	542/Mas/84	161439
428/Mas/84	161357	546/Mas/84	161093
432/Mas/84	161358	552/Mas/84	160731
434/Mas/84	160677	553/Mas/84	160732
435/Mas/84	161432	560/Mas/84	160311
436/Mas/84	160417	568/Mas/84	160124
437/Mas/84	161192	569/Mas/84	160312
438/Mas/84	160653	573/Mas/84	161539
441/Mas/84	161359	574/Mas/84	160654
442/Mas/84	160378	576/Mas/84	159605
444/Mas/84	160678	595/Mas/84	161196
446/Mas/84	160679	597/Mas/84	160125
447/Mas/84	160792	599/Mas/84	160126
449/Mas/84	161444	601/Mas/84	161197
450/Mas/84	158727	608/Mas/84	160655
451/Mas/84	160793	609/Mas/84	160601
453/Mas/84	161433	634/Mas/84	160795
454/Mas/84	161189	652/Mas/84	160921
455/Mas/84	161434	661/Mas/84	160602
457/Mas/84	161193	682/Mas/84	160247
458/Mas/84	161445	691/Mas/84	161538
459/Mas/84	161360	704/Mas/84	160796
461/Mas/84	160727	708/Mas/84	161440
462/Mas/84	161361	713/Mas/84	160127
464/Mas/84	161446	746/Mas/84	160603
465/Mas/84	161362	747/Mas/84	160604
466/Mas/84	160917	748/Mas/84	160605
467/Mas/84	161447	751/Mas/84	160656
468/Mas/84	161194	767/Mas/84	159606
469/Mas/84	160874	791/Mas/84	160657
474/Mas/84	161435	800/Mas/84	160797
475/Mas/84	161363	804/Mas/84	161198
476/Mas/84	161364	866/Mas/84	161367
477/Mas/84	161436	890/Mas/84	160606
478/Mas/84	161531	902/Mas/84	169607
479/Mas/84	158728	906/Mas/84	161368
480/Mas/84	160954	921/Mas/84	160248
481/Mas/84	161448	953/Mas/84	159715
482/Mas/84	161449	963/Mas/84	160607
483/Mas/84	160794	964/Mas/84	160608
484/Mas/84	161450	979/Mas/84	160419
		993/Mas/84	160609
		1000/Mas/84	160610
		1001/Mas/84	160432
		1002/Mas/84	160433
		1004/Mas/84	160434
		1005/Mas/84	160435
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		17/Del/84	160294
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		20/Del/84	160297
		21/Del/84	160552
		22/Del/84	160553
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		31/Del/84	160262
		33/Del/84	160059
		34/Del/84	160060
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		39/Del/84	159991
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		45/Del/84	160263
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		47/Del/84	159811
		48/Del/84	161149
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		52/Del/84	160473
		54/Del/84	160554
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		60/Del/84	159644
		61/Del/84	160098
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		65/Del/84	160382
		66/Del/84	161159
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		72/Del/84	160063
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83/Del/84	160385	179/Del/84	160973
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85/Del/84	160099	188/Del/84	159813
86/Del/84	160885	189/Del/84	161150
87/Del/84	160475	190/Del/84	161373
90/Del/84	160386	191/Del/84	160974
91/Del/84	160253	194/Del/84	160102
92/Del/84	160943	195/Del/84	160388
93/Del/84	161131	199/Del/84	160834
94/Del/84	160254	200/Del/84	160836
95/Del/84	160585	201/Del/84	160336
96/Del/84	160454	202/Del/84	160835
97/Del/84	161132	203/Del/84	160462
98/Del/84	161544	205/Del/84	160886
100/Del/84	160476	208/Del/84	160103
101/Del/84	160065	209/Del/84	160887
103/Del/84	160586	210/Del/84	160273
104/Del/84	160477	212/Del/84	160767
106/Del/84	160205	213/Del/84	161133
107/Del/84	160944	214/Del/84	161134
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111/Del/84	160684	218/Del/84	160258
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115/Del/84	160841	222/Del/84	160557
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142/Del/84	160255	240/Del/84	159994
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145/Del/84	160302	242/Del/84	160778
146/Del/84	160272	243/Del/84	160888
147/Del/84	160387	244/Del/84	160889
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157/Del/84	160332	254/Del/84	160468
158/Del/84	160333	255/Del/84	160559
161/Del/84	161372	257/Del/84	160949
164/Del/84	159992	258/Del/84	160106
166/Del/84	160456	260/Del/84	160164
167/Del/84	160257	261/Del/84	159889
168/Del/84	160685	262/Del/84	160165
172/Del/84	160201	263/Del/84	160890
173/Del/84	160766	265/Del/84	160891
174/Del/84	160481	266/Del/84	160469
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		274/Del/84	160588
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		279/Del/84	159900
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		309/Del/84	160503
		312/Del/84	160876
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		316/Del/84	159817
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		323/Del/84	160286
		324/Del/84	160504
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		329/Del/84	160773
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		336/Del/84	161292
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		339/Del/84	160686
		341/Del/84	159818
		342/Del/84	160564
		343/Del/84	160774
		344/Del/84	160460
		347/Del/84	161272
		348/Del/84	160505
		353/Del/84	160506
		354/Del/84	161138
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		356/Del/84	160565
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		358/Del/84	160287
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378/Del/84	160844	498/Del/84	161263
379/Del/84	161491	499/Del/84	160527
380/Del/84	160507	500/Del/84	161296
381/Del/84	161274	504/Del/84	161411
382/Del/84	161546	505/Del/84	161054
386/Del/84	160210	507/Del/84	159819
387/Del/84	161547	508/Del/84	160783
389/Del/84	160461	510/Del/84	160739
390/Del/84	161275	513/Del/84	160906
392/Del/84	161203	514/Del/84	161209
393/Del/84	160390	517/Del/84	161494
397/Del/84	160733	518/Del/84	161495
399/Del/84	161204	519/Del/84	161496
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401/Del/84	160975	523/Del/84	160528
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405/Del/84	160508	528/Del/84	160907
407/Del/84	161053	529/Del/84	161297
408/Del/84	160509	530/Del/84	161322
410/Del/84	161452	531/Del/84	160529
411/Del/84	159648	532/Del/84	161523
414/Del/84	160510	538/Del/84	161452
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417/Del/84	160523	541/Del/84	161524
425/Del/84	160734	542/Del/84	161156
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429/Del/84	160905	551/Del/84	161157
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435/Del/84	160735	554/Del/84	161323
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441/Del/84	160736	561/Del/84	161210
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446/Del/84	160290	564/Del/84	161264
451/Del/84	160525	566/Del/84	160741
452/Del/84	161205	567/Del/84	161453
454/Del/84	161293	568/Del/84	160785
455/Del/84	161294	569/Del/84	160846
462/Del/84	159815	571/Del/84	161377
463/Del/84	159890	572/Del/84	160908
465/Del/84	161295	574/Del/84	161324
466/Del/84	161548	576/Del/84	159820
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469/Del/84	161276	579/Del/84	161057
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472/Del/84	161492	581/Del/84	161265
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		704/Del/84	161379
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768/Del/84	160911	80/Cal/85	161404
769/Del/84	160746	83/Cal/85	161083
773/Del/84	161502	84/Cal/85	161479
778/Del/84	161060	93/Cal/85	161220
781/Del/84	161164	95/Cal/85	161230
782/Del/84	161285	96/Cal/85	160050
783/Del/84	161286	97/Cal/85	160051
784/Del/84	161236	98/Cal/85	160052
792/Del/84	160747	105/Cal/85	161340
797/Del/84	161418	107/Cal/85	160998
798/Del/84	161212	110/Cal/85	161405
799/Del/84	161459	113/Cal/85	160872
800/Del/84	161419	145/Cal/85	160053
801/Del/84	161237	179/Cal/85	161086
803/Del/84	161564	184/Cal/85	161073
804/Del/84	161565	185/Cal/85	160369
805/Del/84	161504	195/Cal/85	160055
807/Del/84	161505	201/Cal/85	161406
810/Del/84	161287	203/Cal/85	161247
817/Del/84	161460	206/Cal/85	161480
818/Del/84	161566	207/Cal/84	161248
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824/Del/84	161288	281/Cal/85	161309
828/Del/84	161506	229/Cal/85	161123
836/Del/84	161238	240/Cal/85	161408
837/Del/84	160748	241/Cal/85	161250
843/Del/84	161484	277/Cal/85	161520
844/Del/84	160749	278/Cal/85	161178
864/Del/84	160570	280/Cal/85	161466
867/Del/84	161239	281/Cal/85	161309
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870/Del/84	161567	307/Cal/85	159178
873/Del/84	161166	322/Cal/85	161087
877/Del/84	161507	347/Cal/85	161467
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887/Del/84	160277	436/Cal/85	160367
889/Del/84	161240	438/Cal/85	159586
894/Del/84	160750	439/Cal/85	161088
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908/Del/84	160410	523/Cal/85	161469
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922/Del/84	160752	619/Cal/85	161409
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939/Del/84	161508	647/Cal/85	161579
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948/Del/84	161569	715/Cal/85	159585
954/Del/84	161330	809/Cal/85	160999
959/Del/84	161570	810/Cal/85	161259
964/Del/84	161486	819/Cal/85	161260
966/Del/84	160576	856/Cal/85	160056
968/Del/84	160577	913/Cal/85	158924
969/Del/84	160278	5/Bom/85	160028
1985		8/Bom/85	161599
1/Cal/85	160368	9/Bom/85	161108
17/Cal/85	159176	10/Bom/85	161141
19/Cal/85	160721	16/Bom/85	161600
34/Cal/85	160049	17/Bom/85	161581
45/Cal/85	160940	19/Bom/85	158827
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		275/Bom/85	161148
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455/Mas/85	249 Del/85	35/Cal/86
622/Mas/85	251/Del/85	43/Cal/86
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27/Del/85	277/Del/85	161/Cal/86
59/Del/85	288/Del/85	263/Cal/86
60/Del/85	291 Del/85	522/Cal/86
61/Del/85	306/Del/85	549/Cal/86
69/Del/85	318/Del/85	567 Cal/86
92 Del/85	327/Del/85	37 Bom/86
100/Del/85	335/Del/85	76/Bom/86
116/Del/85	386 Del/85	143/Bom/86
117/Del, 85	403/Del/85	262/Bom/86
142/Del/85	500/Del/85	315 Bom/86 }
154 Del/85	520/Del/85	345/Bom/85 }
169/Del/85	555/Del/85	172/Mas/86
210/Del/85	635 Del/85	
226/Del/85	670/Del/85	1987
247/Del/85	1114/Del/85	33/Bom/87

COMPLETE SPECIFICATION ACCEPTED

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CLASS : 55-E; 55-1

164161

Int. Cl. : A 61 k 7/16

A PROCESS FOR PREPARING A DENTAL COMPOSITION USEFUL IN COMBATTING GUM DISEASE.

Applicant Inventor : HANS ADOLF SCHAEFFER, OF
14 PALLANT, AVENUE NEW JERSY, 07036, U. S. A.

Application No 510-Cal/85 filed July 9, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

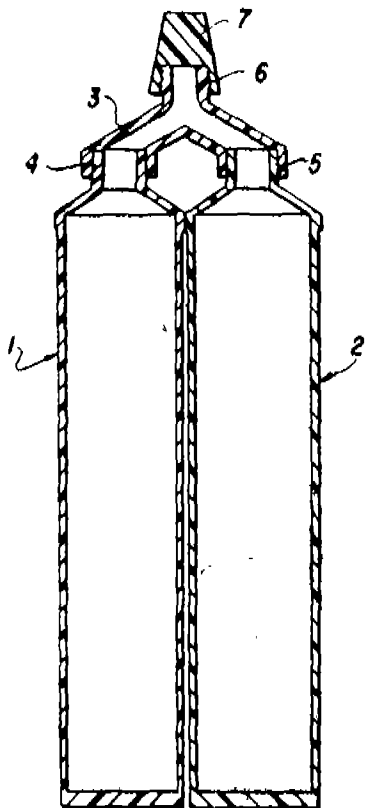
6 Claims

A process for preparing a dental composition useful in combatting gum disease comprising admixing :

- (a) a gel component comprising—
- (i) 01–10% by weight of hydrogen peroxide;
 - (ii) 0.05–5.0% by weight of a water-dispersible copolymer of acrylic acid crosslinked with polyallyl sucrose;
 - (iii) zero to 2.0% by weight of a nonionic cellulose stabilizer such as hereinafter described;
 - (iv) a neutralizing agent selected from the group consisting of sodium hydroxide, potassium hydroxide, trichanolamine, diisopropylamine and ammonia in an amount sufficient to raise the gel pH to 3–6; and
 - (v) purified water; and
- (b) a paste component comprising :
- (i) 2–60% by weight sodium bicarbonate;
 - (ii) 0–6% by weight of a salt selected from the group consisting of NaCl, KCl, $MgCl_2$, $MgSO_4$, Na_2SO_4 , and K_2SO_4 ;
 - (iii) 2–60% by weight of a humectant selected from the group consisting of glycerin, sorbitol, polyethylene glycol, propylene glycol, polypropylene glycol, an ethoxylated lower fatty alcohol, a propoxylated lower fatty alcohol and mixtures thereof;
 - (iv) 0.1–5% by weight of a thickener stabilizer selected from the group consisting of cellulose gum, magnesium aluminum silicate and mixtures thereof;
 - (v) 1–30% by weight of a stabilizing polishing agent selected from the group consisting of bentonite, titanium dioxide, silica, magnesium oxide and mixture thereof;
 - (vi) a fluorine-containing compound selected from the group consisting of NaF, KF, sodium monofluorophosphate, potassium mono-fluoro-

phosphate, sodium fluorosilicate, sodium fluoro-zirconate and mixtures thereof in an amount sufficient to yield 200—3000 ppm of fluorine and

- (vii) purified water; said paste competent and gel component being combined in any desired proportion immediately prior to use.



Compl. specn. 21 pages.

Drg. Nil

CLASS : 128-E + G; 206-D & E

164162

Int. Cl. : A 61 n 1/00, 1/04, 1/06, 1/12;
H 01 v 7/00.

BIPOLAR ELECTRODES DISCHARGING SPARKS OF PIEZOELECTRIC ORIGIN FOR THE RELIEF OF PAINS AND CONTRACTURES BY DIRECT APPLICATION TO THE SKIN AND AN APPARATUS HAVING THE SAME.

Applicant & Inventor : DOMINIQUE DERVIEUX, OF VILLA LOU MIOU ROC, LIEU DIT DES CABANES, 06790, ASPREMONT, FRANCE.

Application No. 578/Cal/85 filed August 8, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

Bipolar electrode device for use in the relief of pain and contractures having coextensive positive and negative poles in closely spaced relation; and an insulating partition adapted to contact the skin of a patient to be treated, said partition extending between said positive and negative poles and projecting a substantial distance beyond said positive and negative poles sufficient to maintain said positive and negative poles spaced from the skin to which said apparatus is applied with said partition in contact with the skin.

Compl. specn. 13 pages.

Drg. 2 sheets

CLASS : 63-E

164163

Int. Cl. : H 02 k 3/00.

IMPROVEMENTS IN OR RELATING TO COIL WINDING APPARATUS AND METHOD OF MANUFACTURING CORE COIL ASSEMBLY.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, U.S.A.

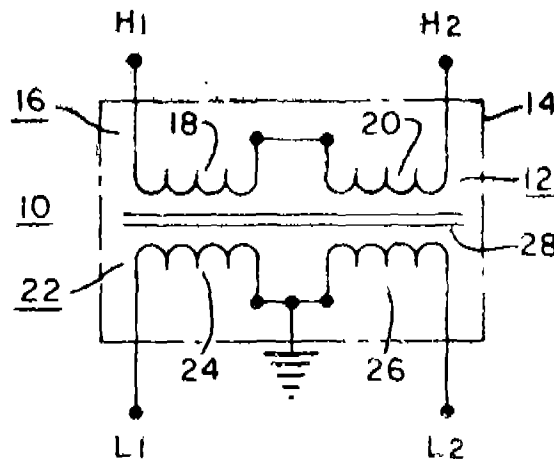
Inventors : I. DALE OTTO PERSCHKA, STUART LOUIS RIEBEN.

Application No. 702/Cal/85 filed October 4, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

Apparatus for winding an elongated, electrically conductive member through a window and about a leg of a magnetic core, for making a core-coil assembly, comprising means for dispensing an electrical conductor, a single set of drive rolls for selectively engaging and disengaging said conductor, control means, said drive rolls being positioned and operably controlled by said control means to engage said conductor, pull it through the window of the magnetic core from said dispensing means, and disengage, with the window having entrance and exit sides for the conductor, means for shearing the conductor to a desired length having lead and tail end portions, means for securing said tail end portion to a leg of the magnetic core, a single set of ironing rolls at the exit side of the core window for holding the conductor against the core leg, guide means for directing the lead end of the conductor in a loop, through the core window via its entrance side, for re-engagement with said drive roll means, means for moving said ironing rolls about the core leg, from the exit side to the entrance side, while pressing the conductor against the core leg, said control means synchronizing said drive rolls and said ironing rolls, so that the drive rolls pull and tension the conductor as the ironing rolls move about the core leg, to tightly wrap the conductor about the core leg to form a conductor turn.



Compl. specn. 18 pages

Drg. 4 sheets

CLASS : 116-G

164164

Int. Cl. : B 65 g 35/00.

AN APPARATUS FOR CONVEYING AND SORTING ITEMS HAVING SELF-DRIVEN CARRIAGES.

Applicant & Inventor : FRANCESCO CANZIANI, OF VIA CONTARDO FERRINI 21 SAN MACARIO (VARESE), ITALY.

Application No. 407/Cal/85 filed October 7, 1985

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

An apparatus for conveying and sorting items, characterised in that a plurality of carriages movable along a fixed path is provided, independent motor means provided with one or more carriages for conveying and discharging the items at a predetermined point in the path.

Compl. specn. 7 pages

Drg. 2 sheets

CLASS : 27-D, F, F & G₁

164165

Int. Cl. : E 04 b 1/00, 2/00, 5/00, 7/00.

METHOD OF CONSTRUCTION OF BUILDING STRUCTURES HAVING DISTINCT DUCTILE CHARACTERISTIC.

Applicant & Inventor : FERNANDEZ, NAVARRO LORENZO, CAP BLANCH 53 VILL CARAMBA, ALTEA (ALICANTE) ESPAGNE SPAIN.

Application No. 712/Cal/85 filed October 8, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

Method of construction of precasted building structures having distinct ductility, characterised in fixing supporting ground sills (1) on the ground constituting the peripheric centre of the base of the building; strengthening the ground sills with ferroconcrete; setting up the walls and the partitions of different types of stream lines, self assembled moulded blocks (2) without any binding materials; constructing tiles at the level of floors, ceilings and roofs by means of streamlined supporting elements on the girders (7) cooperating with a corresponding part of the blocks which constitute a continuous peripheric centre; pouring ferro-concrete in the blocks of the angle, which are in vertical communication, in the same way in the rows of blocks peripherically situated at the level of floors and roof; providing, in combination with the girders (7) receiving the elements (8) constituting the slabs of roof, the tiles (12).

Compl. specn. 21 pages

Drg. 9 sheets

CLASS : 129 & 195

164166

Int. Cl. : F 16 j 15/00.

A SHAFT SEAL ASSEMBLY.

Applicant : KLEIN, SCHANZLIN & BECKER AKTIEN-GESellschaft, OF POSTFACH 225, JOHANN-KLEIN-STRASSE 9, D-6710 FRANKENTHAL (PFAIZ), FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. JOHANNES KLEIN.

Application No. 732/Cal/85 filed October 15, 1985.

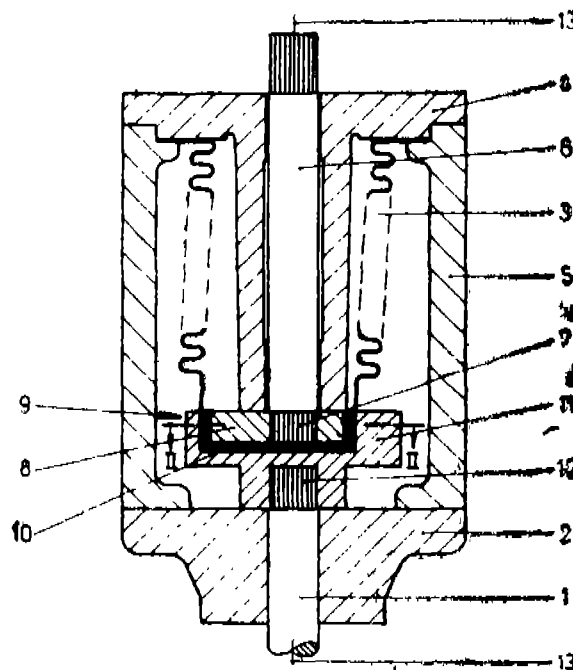
Complete Specn. left on 20th December, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A shaft seal assembly with a continuous elastic hermetic sealing means between two shafts to be connected thereby and designed for the transmission of motion at least partly around an axis, comprising a housing, an elastic sealing

element with an attachment part fixed to said housing, a drive transmission member connected hermetically to a further attachment part of said elastic sealing element, ends of said shafts to be connected with each other being aligned so as to have a common axis of rotation, a pair of enveloping members in the form of an outer member and of an inner member placed within said outer member, said enveloping member pair being planar and radially symmetrical, a sealing cap placed between said driven and driving members to be keyed onto the ends of such shafts, said sealing cap positively fitting said member for the transmission of drive therebetween, said sealing cap being sealingly joined to said sealing element.



Provisional specn. 5 pages.

Drg. 2 sheets

Compl. specn. 12 pages

Drg. 5 sheets

CLASS : 184

164167

Int. Cl. : E 21 b 1/00.

A PROCESS FOR THE INCREASED PRODUCTION OF CRUDE OIL FROM VERTICALLY NON HOMOGENEOUS CRUDE OIL RESERVOIRS.

Applicants : (1) MAGYAR SZENHIDROGENIPARI KUTATO-FEJLESZTO INTEZET, OF 2443 SZAZHATOMBATTA, HUNGARY, (2) KOOLAJ-ES FOLDGAZBANYASZATI VALLALAT, OF 8801 NAGYKANIZSA, HUNGARY.

Inventors : 1. DR. MIHALY MEGYERI, 2. ISTVAN KONCA, 3. GYORGY TISZAI, 4. ANTAL SZITTAR.

Application No. 830/Cal/85 filed November 21, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A process for the increased production of crude oil from vertically nonhomogeneous crude oil reservoirs, exploited by gas injections, using aqueous salt solution characterized by partially or totally eliminating water from the aqueous salt solution at the temperature of the stratum producing salt crystals in the pores of the oil-bearing rocks, and if desired partially or totally redissolving salt crystals by injecting additional water or aqueous salt solution and optionally reforming salt crystals in another part of the reservoir.

Compl. Specn. 11 pages.

Drg. Nil.

CLASS : 127-D & G,

164168

Int. Cl. : B 65 g 23/00, 29/00, 31/00;
B 65 h 5/00.

A DEVICE FOR SELECTIVELY FEEDING STEP BY STEP IN TWO OPPOSITE DIRECTION, MORE PARTICULARLY FOR MOVING A STRIP FOR EXAMPLE FOR A TELEPRINTER STRIP PERFORATING MACHINE.

Applicant : SOCIETE D'APPLICATIONS GENERALES D'ELECTRICITE ET DE MECANIQUE SAGEM, OF 6, AVENUE D'JENA, 75783, PARIS CEDEX 16, FRANCE.

Inventor : 1. ALEX KUHN.

Application No. 890/Cal/85 filed December 10, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A step by step feed device, more particularly for moving a strip (1), for example in a teleprinter strip perforating machine, this advance having to be able to be effected selectively in one or other possible direction (forward-rearward) from a drive shaft (4) rotating continuously in a single direction (5),

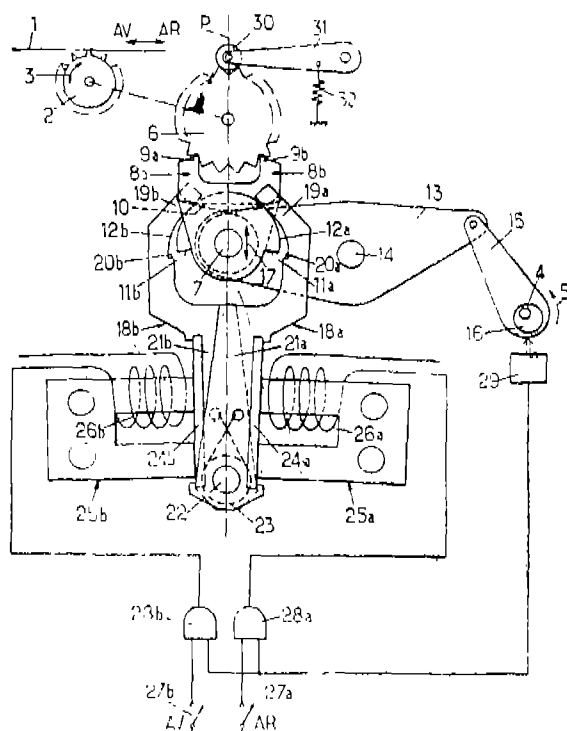
characterized in that it comprises :

an escapement mechanism (6, 7, 8a, 8b) with pivoting anchor (8a, 8b), coupled for rotation with driven shaft;

transmission means (13—16) inserted between the continuously rotating drive shaft and said anchor (8a, 8b);

means for selecting the pivoting direction of the anchor comprising two electromagnets (25a, 25b) associated respectively with the two possible directions and having mobile plates (24a, 24b) supported so as to be brought into contact with the armatures of the electromagnets at predetermined times in the operating cycle;

and synchronization means (28a, 28b, 29) for allowing energization of one of the electromagnets (28a, 28b) only at said predetermined times.



Compl. specn. 13 pages

Drg. 4 sheets

CLASS : 32-C 54 + 55-E₂

- 189

164169

Int. Cl. : A 61 k 7/00, 27/00.

A PROCESS TO OBTAIN CAMMOMILE EXTRACTS FROM CAMMOMILE FLOWERS.

Applicant : DEGUSSA AKTIENGESellschaft, OF WEISSFRAUENSTRASSE 9, 6000 FRANKFURT AM MAIN, F.R. GERMANY.

Inventors : 1. OTTO ISAAC, 2. REINHOLD CARLE.

Application No. 916/Cal/85 filed December 19, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A process to obtain cammomile extracts from cammomile flowers without subsequent heat treatment, wherein fresh cammomile flowers or frozen cammomile flowers are extracted with saturated C₁-C₄ alcohols, the alcohol content of which is between 40-100% by weight.

Compl. specn. 11 pages

Drg. Nil

Int. Cl. : B 05 c B 05 d 5/00

164170

INSTALLATION FOR PRETREATMENT OF COCOONS BEFORE REELING.

Applicant : TSENTRALNY NAUCHNO-ISSLEDOVATELSKY INSTITUT PO PROIZVODSTVU I PERERABOTKE NATURALNOGO SHELKA, OF MARGILAN, FERGANSKOI OBLASTI, ULITSA KARLA MARXA, 400 USSR.

Inventors : 1. EVGENY STEPANOVICH NANJTOV, 2. MAKHMUDALI NIYAZALIEV, 3. BORIS YAKUBOVICH KHAIMOV, 4. ABDURAS HIT ABDUVALIEVICH ABDURAKHIMOV.

Application No. 541/Cal/86 filed July 18, 1986.

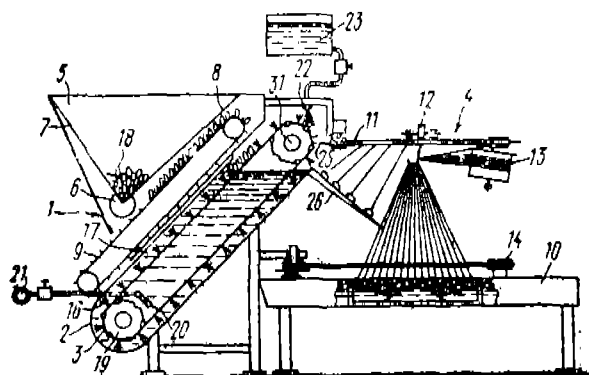
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

An installation for pretreatment of cocoons before reeling, comprising :

- a cocoon batch metering feeder;
- a cocoon steaming container;
- a conveyer arranged slopingly in said container and having transverse bars made as brushes and adapted for the cocoons to immerse in the container;
- a cocoon beating device incorporating a beating basin, a mechanism for catching the ends of the cocoon threads and their transferring to a beating hook provided above the beating basin;
- said container having its walls arranged parallel to the sides of said conveyer and being spaced equally apart from the conveyer brushes;
- said conveyer being capable of performing a stepped motion;
- a known means for imparting a stepped motion to said conveyer;
- a perforated sleeve provided in the conveyer bottom portion;
- a live steam supply system connected to said perforated sleeve;
- a system for water supply at a preset temperature;

a sleeve communicating with said preset-temperature water supply system and situated above the conveyor top portion that emerges from the container.



Compl. specn. 13 pages

Drg. 2 sheets

Int. CLASS⁴ : H05K 1/00, 3/00, B32B 15/14, 164171
17/06.

A PROCESS AND A HEATABLE DOUBLE-BELT PRESS FOR CONTINUOUSLY PRODUCING METAL-LAMINATED BASE MATERIAL FOR PRINTED CIRCUITS BOARDS.

Applicant : PRESIDENT ENGINEERING CORP. OF FLORASTRASSE 11, 8042 ZURICH, SWITZERLAND, A CORPORATION EXISTING AND EXISTING AND ORGANIZED IN ACCORDANCE WITH SWISS LAW.

Inventors : LOTHAR SCHWARZ, FRIEDEL UEBERBERG, RUDOLF KUEHENE AND DIETER FISCHER.

Application for Patent No. 290/Del/85 filed on 8th April, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

14 Claims

Process for producing metal-laminated base material for printed circuit boards by subjecting to conditions of pressure and temperature, superimposed sheets of thermosetting resin-impregnated fabric material and a metal foil to form a laminate thereof characterised in that a glass-fibre fabric impregnated with an accelerated, prehardened resin system, is continuously heated without pressure whereby the viscosity of said resin is lowered and said resin is reacted beyond said prehardened state to become soft and ductile, said fabric impregnated with said soft and ductile resin is superimposed with said metal foil sheet, pressure is continuously applied at increased temperature to said superimposed layer of preheated sheets of fabric material impregnated with said reacted resin and said metal foil sheet so that said material and said metal foil sheet are pressed together, thereby to obtain a continuous length of metal-laminated base material and said base material is cut to desired length.

Compl specn. 21 pages

Drg. 1 sheet

Int. CLASS⁴ : C08F 214/06, 218/08 164172

AN IMPROVED PROCESS FOR THE PREPARATION OF COPOLYMERS OF VINYL CHLORIDE AND VINYL ACETATE.

Applicant : SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH, 19, UNIVERSITY ROAD, DELHI-110007, INDIA, AN INDIAN INSTITUTE REGISTERED UNDER THE SOCIETIES ACT.
4-437 GI/88

Inventors : VED PRAKASH MALHOTRA, RAJINDER KUMAR DEWAN, NAVINDER GUPTA, JOHN GEORGE, MAHES KUMAR BAHL.

Application for Patent No. 682/Del/85 filed on 20th August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

An improved process for the preparation of copolymers of vinyl chloride and vinyl acetate, containing upto 15% of vinyl acetate which comprises in charging a reactor with water, suspending agent as herein described, a heat stabilizing agent as herein described in the amount of .005-.01%, a catalyst as herein described in the amount of 0.04-0.06% and an antiscaling agent as herein described, evacuating the reactor and introducing vinyl acetate, a chain transfer agent as herein described, and 40 to 60% of the total amount of vinyl chloride required agitating and heating the reaction medium to a temperature of 60 to 70°C till the pressure is between 125 to 135 p.s.i., adding incrementally the remainder of said vinyl chloride till the pressure is approximately 90 p.s.i.

Copolymers of vinyl-chloride and vinyl, acetate have particular applications in making of phonograph records and plastic floor tilaa.

Compl. specn. 8 pages.

Int. CLASS⁴ : F16J 15/16

164173

A SHAFT SEAL ELEMENT IN COMBINATION WITH A ROTARY SHAFT OF A COMPRESSOR.

Applicant : SANDEN CORPORATION, A JAPANESE COMPANY, OF 20 KOTOBUKI-CHO, ISESAKI-SHI, GUNMA 372, JAPAN.

Inventor : KIYOSHI TERAUCHI.

Application for Patent No. 715/Del/85 filed on 30th August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

A shaft seal element in combination with a rotary shaft of a compressor, said shaft extending in the direction of its rotary axis from the inside of the housing of an open type compressor into a hole in a boss outside the housing and wherein a pressure difference exists on opposite sides of the seal element, said seal element comprising a body having at least one flexible lip portion for sealingly contacting around an entire outer surface of the rotary shaft and a holding portion from which said flexible lip portion extends, said holding portion having an axial dimension larger than the thickness of said lip portion to form an extended axial support surface around the outer circumference of said holding portion.

Compl. specn. 9 pages

Drg. 4 sheets

Int. CLASS⁴ : C09B 3/48, 5/08

164174

METHOD FOR PROVIDING AN ELASTOMERIC COATING ON A WEATHERABLE EXTERIOR SUBSTRATE SUCH AS WALLS, ROOFS AND THE LIKE TO RENDER SUCH WEATHERABLE EXTERIOR SUBSTRATE WATERPROOF.

Applicant : UNIROYAL INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW JERSEY, ONE OF THE UNITED STATES AMERICA, LOCATED AT WORLD HEADQUARTERS, MIDDLEBURY, CONNECTICUT 06749, UNITED STATES OF AMERICA.

Inventors : ASPET VARTAN MERIJANIAN, HARRY DALE VISSER, ROBERT MILLER AND WILLIAM DAVIS SIGWORTH.

Application for Patent No. 747/Del/85 filed on 11th September, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A method for providing an elastomeric coating on a weatherable, exterior substrate such as walls, roofs and the like to render such weatherable exterior substrate waterproof, comprising :

- (a) spraying on to said substrate a composition which is liquid at ambient temperature said composition consisting of :
 - (i) a copolymer of ethylene and a monomer having the formula CH_2CHR wherein R is C to C_{10} linear or branched alkyl having a molecular weight of from 500 to 20,000 the weight ratio of ethylene to propylene in the range from 85:15 to 25:75.
 - (ii) a reinforcing agent of the kind as herein defined in an amount of from 10 to 150 parts per 100 parts of the elastomer and
 - (iii) a curative of the kind as herein defined in an amount of from 2 to 20 parts per 100 parts of the elastomer; said composition comprising no more than a minor amount of solvent of the kind as herein defined; and
- (b) curing said composition in a manner known per se.

Compl. specn. 30 pages.

Int. CLASS⁴ : B62K 19/00, 25/00, 3/04 164175

BICYCLE FRAME.

Applicant & Inventor : FRANCIS GEORGE KIRK, A BRITISH CITIZEN, OF 12 KENWORTHY ROAD, BRAINTREE, ESSEX, ENGLAND.

Application for Patent No. 766/Del/85 filed on 18th September, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A bicycle frame including a saddle stem and a head interconnected by upper and lower bars, the frame being made from a cast of a lightweight metal or alloy such as herein described in which the lower bar is connected to the lower end of the head and joins the saddle stem at an intermediate point spaced above the lower end thereof, and in which the upper and lower bars are connected by a structural bridge linking them at a location between the head and the saddle stem.

Compl. specn. 7 pages.

Drgs. 2 sheets

Int. CLASS⁴ : A01K 5/02, G01G 13/08 164176

ANIMAL FEED DELIVERY AND METERING UNIT.

Applicant & Inventor : CAMILLO PIROVAND, AN ITALIAN CITIZEN OF LOCALITA CAVIGIOLO, 22052 CERNUSCO LOMBARDONE, COMO, ITALY.

Application for Patent No. 767/Del/85 filed on 18th September, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

15 Claims

An animal feed delivery and metering unit for use with an automated conveyance and distribution system, said unit being provided with at least one conveying member, characterised in that the unit is a tubular member having in a base portion thereof at least one open bore, said at least one conveying member slidable in said tubular member, externally of the tubular member and connected to the base thereof is a guide means in which there is slidable a shutter means, said shutter means alternately opening and shutting said at least one open bore in said tubular member on said shutter means being moved a predetermined distance forwards or backwards in said guide means.

Compl. specn. 14 pages

Drg. 3 sheets

Int. CLASS⁴ : F16K 1/00

164177

ACTUATOR ROD FOR PUSH-PULL MECHANISMS.

Applicant : ROCKWELL INTERNATIONAL CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, OF 600 GRANT STREET, PITTSBURGH, PENNSYLVANIA 15219, UNITED STATES OF AMERICA.

Inventor : DANIEL LAVELY.

Application for Patent No. 830/Del/85 filed on October 8, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

An actuator rod for push-pull mechanisms comprising :

an elongate rod member having a first hole therethrough at a first end thereof and a second hole therethrough at a second end thereof;

an elongate jacket member having a longitudinally extending cavity therethrough for receiving the rod member therein, the jacket member including an opening therethrough and positioned such that when the first end of the rod member is registered within the cavity, the first hole is aligned with the opening.

Compl. specn. 9 pages

Drg. 1 sheet

Int. CLASS⁴ : E04F 21/18

164178

A SPACER FOR LAYING OF TILES TO A SURFACE.

Applicant & Inventor : RAVI RAJ GUPTA, AN INDIAN NATIONAL, R & M COMPANY OF 4635, AJMERI GATE, DELHI-110006, INDIA. A PROPRIETARY FIRM.

Application for Patent No. 933/Del/85 filed on 08th November, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A spacer for use in the laying of tiles or sheets having tiles fixed thereon, the spacer comprises a spacer arm a pair of secondary arms extending outwardly in opposite sides in the same plain of said spacer arm, two chords extending from each of said secondary arms to the spacer arm at a certain height from the base of spacer.

Compl. specn. 9 pages

Drg. 1 sheet

Int. CLASS⁴ : C11D 1/02, 3/02

164179

FABRIC SOFTENING PARTICULATE DETERGENT COMPOSITION.

Applicant : COLGATE-PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A. OF 300 PARK AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventors : PALLASSANA NARAYAN RAMACHANDRAN, CHARLES JOHN SCHRAMM, HELMUT PETER LAZECKY AND MARTIN DAVID REINISH.

Application for Patent No. 966/Del/85 filed on 19th November, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A fabric softening particulate detergent composition which comprises from 5 to 25% of synthetic anionic organic detergent of the kind as herein described, 20 to 60% of inorganic builder(s) as herein described for the detergent, 5 to 40% of water soluble inorganic filler salt as herein described, 4 to 18% of moisture and 0.5 to 5% of adjuvant(s) herein described, in spray dried bead form, and 5 to 30% of fabric softening bentonite-sodium sulfate agglomerate comprising agglomerate particles of sizes in the range of No's 10 to 140 sieves, U.S. Sieve series, which are agglomerates of mixtures of finely divided bentonite and sodium sulfate, with at least a major proportion by weight of each of the bentonite and sodium sulfate particles being less than No. 100 sieve size, with proportions of bentonite and sodium sulfate being within the range of one part of sodium sulfate by weight to 2 to 10 parts of bentonite by weight, with the bentonite and sodium sulfate particles being held together in the agglomerate particles by hydrated bentonite and hydrated sodium sulfate present at the surfaces of said particles, and with the agglomerate particles being of a moisture content in the range of 6 to 16% by weight.

Compl. specn. 40 pages.

Drg. 1 sheet

164180

Int. CLASS⁴ : F23D, 11/06.

BURNER

Applicant & Inventor : OSWALD BELL, A GERMAN CITIZEN OF PASSAUER STRASSE 16, 8500 NURNBERG 30, FEDERAL REPUBLIC OF GERMANY.

Application for Patent No. 66/Del/86 filed on 22nd January, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A burner comprising a fuel supply or ignition lance (7) which is disposed in a guide tube (2) so as to be movable therein, the guide tube (2) having, on the side facing a combustion chamber, a closing member which operates the guide tube (2) when the fuel supply or ignition lance (7) is retracted into the guide tube (2), characterised in that the closing member is formed by a member which is loose in respect of the guide tube (2) and is movable in a cage (3) surrounding the opening of the guide tube (2) and is positioned by gravitational force on the opening to close the same when the fuel supply or ignition lance (7) is being retracted and is pushed away from the opening by the fuel supply or ignition lance (7) when the latter is being advanced.

Compl. specn. 7 pages.

Drg. 2 sheets

CLASS : 32-F_{2c} c.

164181

Int. Cl. : C 07 c 125/06.

ORGANIC AMINES CONTAINING HYDROXYALKYL CARBAMATE GROUPS AND METHOD OF MAKING THE SAME.

Applicant : AMERICAN CYANAMID COMPANY, AT ONE CYA AMID PAZA, WAYNE, NEW JERSEY 07470, U.S.A.

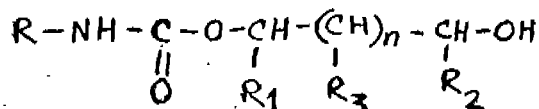
Inventors : 1. GIRISH GIRDHAR PAREKH, 2. WILLIAM JACOBS III, 3. WARNER JOSEF BLANK.

Application No. 78/Cal/85 filed February 5, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A process for the preparation of hydroxy alkyl carbamates having one or more secondary amine group/s thereon and of formula 1 of the accompanying drawing.



wherein R is an organic moiety having at least one R₃ is independently H or C₁ to C₂₀ alkyl cycloalkyl or alkyl aromatic moiety or any such moiety containing, in addition to at least one carbon atom, one or more heteroatoms, and n is 0 or 1, which comprises reacting one or more amine/s as herein described with cyclic carbamates as herein described.

Compl. specn. 23 pages.

Drg. 1 sheet

CLASS : 102-B & 134-B.

164182

Int. Cl. : F 15 b 15/00.

A HYDRAULIC CONTROL SYSTEM.

Applicant : VICKERS, INCORPORATED, OF 1401 CROOKS ROAD, TROY, MICHIGAN 48084, U.S.A.

Inventors : 1. HENRY DELANO TAYLOR, 2. VINOD KUMAR NANDA.

Application No. 320/Cal/85 filed April 27, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A hydraulic control system comprising :

a hydraulic actuator having opposed openings adapted to alternately function as inlets and outlets for moving the element of the actuator in opposite directions,

a pump for supplying fluid for said actuator,

meter-in valve means to which the fluid from the pump is supplied for selectively metering fluid to one or the other of said openings to control the direction of movement of the actuator,

said meter-in valve means being pilot controlled by alternately applying fluid at pilot pressure to opposed ends of said meter-in valve means,

a pair of lines extending from said meter-in valve means to said respective openings of said actuator,

meter-out valve means associated with at least one opening of the actuator for controlling the flow out of said actuator,

at least one restrictor means for applying reduced pressure to said last-mentioned meter-out means,

anti-cavitation valve means associated with the exhaust side of said last-mentioned normally closed meter-out valve means and having restrictor means associated with said normally closed meter-out valve means to provide a back pressure on said anti-cavitation valve means.

Compl. specn. 32 pages.

Drg. 10 sheets

CLASS : 39-F.

164183

Int. Cl. : C 1 f 7/00.

PROCESS FOR PRODUCING POLYCRYSTALLINE ALPHA ALUMINA BODIES.

Applicant : NORTON COMPANY, OF 1 NEW BOND STREET, WORCESTER, STATE OF MASSACHUSETTS, U. S. A.

Inventor : 1. RALPH BAUER.

Application No. 421/Cal/85 filed June 4, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A method for making polycrystalline alpha alumina bodies having a submicron crystal size from dispersible alumina hydrate powders comprising mixing said powders with water, with submicron alpha alumina seed, and with acid being known *per se* to be capable of reacting together in the presence of water to form a colloidal gel to a solids content of greater than 25%, exerting a pressure of from 200 psi to 20 tons/square inch on the mixture, and firing the resulting body having a porosity of less than 10%.

Compl. specn. 13 pages.

Drg. Nil

CLASS : 47-B.

164184

Int. Cl. : E 21 c 43/00.

A PROCESS FOR THE PRODUCTION OF A RAW GAS STREAM.

Applicant : TEXACO DEVELOPMENT CORPORATION, OF 2000 WESTCHESTER AVENUE, WHITE PLAINS, NEW YORK 10650, U. S. A.

Inventors : 1. ROBERT JOSEPH STELLAOCIO 2. ROBERT MURRAY SUGGITT.

Application No. 492/Cal/85 filed July 1, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims

A process for the production of a raw gas stream substantially comprising H_2 , CO, CO_2 , H_2S , COS, entrained particulate matter including molten ash, and optionally at least one material from the group H_2O , N_2 , Ar and NH_3 ; by partially oxidizing a solid carbonaceous fuel, which is low in sulfur, iron and calcium, with a free-oxygen containing gas, in a free-flow reaction in the presence of H_2O at a temperature greater than 2000 F and high enough to keep the ash produced in the molten state and a pressure in the range of 1 to 200 atmospheres characterized in that said solid fuel is mixed with an iron sulfide-containing material, or supplemental iron and sulfide containing reactant materials to provide a mixture of materials that react in the reaction zone to produce iron and sulfur containing compounds which combine with the fuel ash to produce an iron content of the molten ash greater than 10.0 wt. % of the molten ash; iron and sulfur being present in the reaction zone in an amount to decrease the melting point of the solid carbonaceous fuel ash by at least 100 F below that of the ash without the addition of said materials to the solid carbonaceous fuel, and to provide a mole ratio H_2S/H_2+CO in the raw gas stream greater than 0.10 whereby no free iron remains in the reaction zone; and at least a portion of said particulate matter and molten ash is separated from the raw gas stream in a conventional manner, e.g. by using quench tank.

Compl. specn. 16 pages.

Drg. Nil

CLASS : 104-N.

164185

Int. Cl. : E 04 c 2/00.

IMPROVED BOARDS OR SHEETS MADE FROM NON-ASBESTOS FIBROUS MATERIAL AND TO AN IMPROVED METHOD OF MANUFACTURING THE SAME.

Applicant : HYDERABAD INDUSTRIES LTD. OF SANATANAGAR, HYDERABAD 500018, ANDHRA PRADESH, INDIA.

Inventors : 1. DR. ISHWAR DAYAL VARMA.

Application No. 528/Cal/85 filed July 17, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims

An improved consolidated/densified sheet or board material having reinforcing fibres in the matrix made of conventional binder material selected from cement, lime and silica and characterized in that reinforcing cellulosic fibres selected from natural plant fibres for example hemp, kenaf, coniferous wood fibres, the fibres portion is from 2 to 15% preferably 5 to 8 percent by weight of the total solid materials, the remainder being made of said binder and other additives if used and optionally including plastic fibres like fibres of polyvinyl alcohol polyacrylonitrile or polypropylene or mixtures thereof.

Compl. specn. 15 pages.

Drg. Nil

CLASS : 164186

Int. Cl. : A 24 1 47/00.

SMOKING ARTICLE.

Applicant : R. J. REYNOLDS TOBACCO COMPANY,
OF 403 NORTH MAIN STREET, CITY OF WINSTON-
SALFM. STATE OF NORTH CAROLINA 27102, U. S. A.

Inventors : 1. ANDREW JACKSON SENSABAUGH JR.,
2. HENRY THOMAS RIDINGS, 3. JOHN HUGHES REY-
NOLDS IV, 4. MICHAEL DAVID SHANNON, 5. ERNEST
GILBERT FARRIER, 6. CHANDRA KUMAR BANERJEE.

Application No. 626 Cal/85 filed August 30, 1985.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

A smoking article comprising in combination, and having
embedded in a unitary structure :

- (a) a carbonaceous fuel element;
- (b) an aerosol generating means associated with said
fuel element in operative relationship therewith, said
aerosol generating means including a substrate
bearing an aerosol forming material such as here-
described; and
- (c) a mouthend piece;
the fuel element and the substrate being arranged
in a conductive heat exchange relationship such
that the heat stable substrate received conductive
heat transfer substantially throughout the time of
burning of the fuel element.

Compl. specn. 46 pages.

Drgs. 3 sheets

CLASS : 127-I. 164187

Int. Cl. : G 06 m 1/00.

APPARATUS FOR ALIGNING AND GUIDING A
MACHINE TOOL SLIDE OR SADDLE.

Applicant : THE CROSS COMPANY, OF FRASER,
MICHIGAN, U. S. A.

Inventor : 1. RIVAN FRANCIS FRAZEE.

Application No. 693/Cal/85 filed October 1, 1985.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

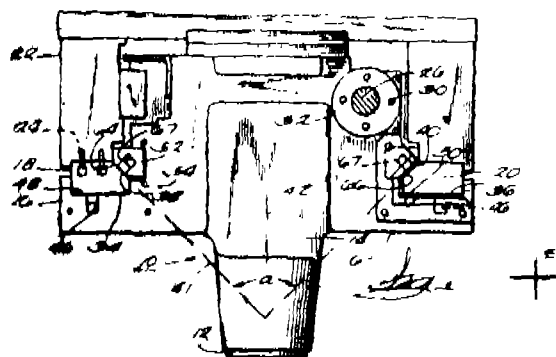
Apparatus for aligning and guiding a machine tool slide
or saddle (16) for movement along an axis of travel charac-
terized by :

- a pair of parallel ways (18, 20) mounted to a support
structure (22) in parallel relation with said axis of
travel, said ways (18), 20) having faces (38, 40)
which are selectively angled to lie in planes which
form a "V"-shaped configuration (41) position-
ed to be bisected by a plane (42) located midway be-
tween said ways (18, 20), said ways being formed to
slidably engage slots (34, 36) formed in said saddle
(16) having bases which are parallel to a first axis
and second axes being orthogonal to each other
and second axis being orthogonal to each other
and to said axis of travel, said ways having surfaces
in opposing relationship with said bases and said
sides of said slots (34, 36) said angled way faces
(38, 40) lying outside of said slots and at acute
angles to said first and second axis.
- a number of keeper blocks (52, 58), each of said keeper
blocks having an angled keeper face (66) in opposing
parallel relation with one of said way faces (38, 40)

5-437 GI/88

and first (68) and second (70) faces abutting said
saddle, each of said first faces (68) being parallel
to said first axis and each of said second faces (70)
being parallel to said second axis; and

means (67) positioned relative to said keeper blocks (52,
58) for solidly transmitting forces between said ways
(18, 20) and said saddle (16) through said angled
way faces (38, 40) and said angled keeper faces (66)
to maintain said saddle (16) in alignment along said
axis of travel as said saddle (16) is selectively moved
and positioned along said axis of travel.



Compl. specn. 12 pages.

Drgs. 2 sheets

164188

Int. Cl. : C 07 c 93/00.

PROCESS FOR THE PREPARATION MONOCYCLIC
BISOXETHYL SULFONYLANILINES.

Applicant : HOECHST AKTIENGESELLSCHAFT, D-
6230 FRANKFURT AM MAIN 80, F. R. GERMANY.

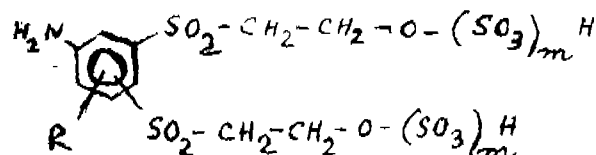
Inventor : 1. THEODOR PAPENFUHS, 2. GERD KONIG.

Application No. 789/Cal/85 filed November 5, 1985.

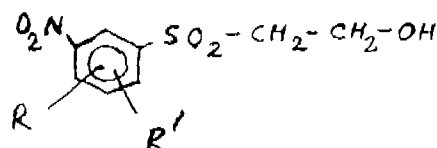
Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

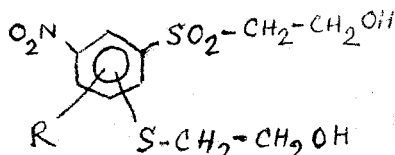
A process for the preparation of a monocyclic bisoxethyl-
sulfonylaniline of the formula (1) of the accompanying
drawings



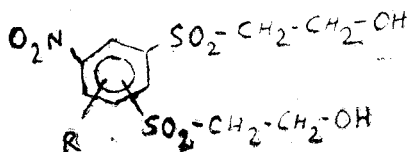
in which R represents a hydrogen, chlorine or bromine atom
or a C - C₄ -alkoxy group and m represents the number 0
or 1, and in which the oxethyl sulfonyl (sulfuric acid halves-
ter) groups are in the o-position or p-position in relation to
one another, which comprises reacting a compound of the
formula (2)



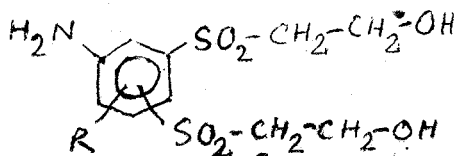
in which R has the meaning mentioned above, R' denotes a chlorine or bromine atom and in the o-position or p-position relative to the (β) - oxethylsulfonyl group, if appropriate with the addition of water as a diluent, with at least the stoichiometric amount of thioglycol in the presence of an at least stoichiometric amount of an acid-binding alkali metal or alkaline earth metal compound at temperatures of 10–60°C, preferably 20–40°C oxidizing by means of hydrogen peroxide at temperatures of 40°C to 100°C, the compound of the formula (3)



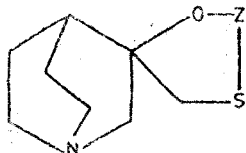
obtained in this way, in which R has the meaning mentioned above and the two sulfur-containing substituents are in the o-position or p-position in relation to one another, with or without intermediate isolation and after the addition of catalytic amounts of tungsten trioxide or an alkali metal tungstate and water, the pH being adjusted to a value of 4–6 by adding a non-oxidizing inorganic or organic acid, and reducing, in a manner known per se, by means of iron oxide or by catalytic means using nickel or noble metal catalysts in an aqueous medium, the compound of the formula (4)



obtained in this way, in which R has the meaning mentioned above and the two (β) -oxethyl-sulfonyl groups are in the o-position or p-position in relation to one another and converting the compounds of the formula (5)



obtained in this way, in which R has the meaning mentioned above and the two β -oxethylsulfonyl groups are in the o-position or p-position in relation to one another, if appropriate in a manner known per se, by means of concentrated sulfur acid, oleum, a mixture of sulfuric acid monohydrate and oleum, sulfur trioxide or chloro-sulfonic acid into the bis-sulfuric acid half-ester of the formula (1) mentioned in which m=1.



Compl. specn. 20 pages.

Drgs. 2 sheets

CLASS : 41.

164189

Int. Cl. : F 01 n 3/34, 3/38.

A FURNACE AFTERBURNER.

Applicant & Inventor : J. F. (FRANK) ANGELO II, OF P. O. BOX 55275 LITTLE ROCK ARKANSAS 72225, U.S.A.

Application No. 406/Cal/86 filed June 2, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

An afterburner for the exhaust effluvia of a furnace, which exhaust contains combustible material, said after burner comprising :

- (a) an elongated, generally cylindrical combustion chamber having an inlet for said exhaust at or adjacent one end thereof, and an outlet at or adjacent its other end;
- (b) means operable to induce a draft through said combustion chamber from its inlet to its outlet;
- (c) a series of air nozzles disposed to direct jets of air into the interior of said combustion chamber, certain of said nozzles being arranged to direct air jets into said combustion chamber substantially tangentially thereto in a clockwise direction, and the remainder of said nozzles being arranged to direct air jets into said chamber substantially tangentially thereto in a counter-clockwise direction, whereby to induce turbulence within said chamber to intermix said air and said exhaust thoroughly, and
- (d) means operable to deliver air to said air nozzles.

Compl. specn. 19 pages.

Drgs. 2 sheets

CLASS : 32-C.

164190

Int. Cl. : C 07 c 95/265.

MICROBIOLOGICAL METHOD FOR PREPARATION OF CITRIC ACID FROM NUTRIENT MEDIUM.

Applicant : EXPERIMENTALNY ZAVOD BIOKHIMICHESKIKH PREPARATOV INSTITUTA MIKROBIOLOGII IMENI AVGUSTA KIRKHENSHTIENA AKADEMII NAUK LATVISSKOI SSR, OF RIGA, ULITS A LENINA, 222 USSR.

Inventors : 1. ALMA ALBERTOVNA RUMBA, 2. INGEMARA EDVARDOVNA SKRASTYNYA, 3. ROMAN YANOVICH KARKLIN, 4. VIA KARLOVNA AZANDA

Application No. 427/Cal/86 filed June 6, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A microbiological method for preparation of citric acid from nutrient medium on the basis of cane molasses which comprises surface fermentation of the micro-organism-citric acid producer, strain *Aspergillus niger* R-4 which is obtained by selection from strain *Aspergillus niger* R-3 after fermentation of said strain the biomass is separated and the desired product is recovered from the cultural liquid.

Compl. specn. 12 pages.

Drg. Nil

Int. Cl. : C 22 C 33/02.

A METHOD OF MANUFACTURE OF A POWDERY MATERIAL FOR THERMAL SPRAYING.

Applicant : CASTOLIN S. A., OF 1025 SAINT-SULPICE, SWITZERLAND, A SWISS COMPANY.

Inventor : WOLFGANG SIMM, HANS-THEO STEINE

Application No. 163/Mas/85 filed 27 February 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims

A method of manufacture of a powdery material for thermal spraying, comprises a molten alloy of iron basis, containing 10 to 30% by weight chromium; 1 to 25% by weight aluminium; less than 0.5% by weight carbon and less than 10% by weight nickel, this alloy optionally containing up to 2% by weight of at least one element chosen from Zr, Ce and Y and/or 0.5 to 5% by weight of molybdenum and/or 0.5 to 5% by weight of titanium, is subjected to atomization from the liquid state with a cooling speed of at least 400°C/sec., so as to produce a powder having a grain size of from -150 microns to +27 microns, the specific surface of which is higher than 500 cm²/g.

Compl. specn. 11 pages.

Drg. Nil

CLASS :

164192

Int. Cl.⁴ : B 06 B 1/18.

A DEVICE FOR VIBRATING A PISTON IN A HYDRAULIC CYLINDER.

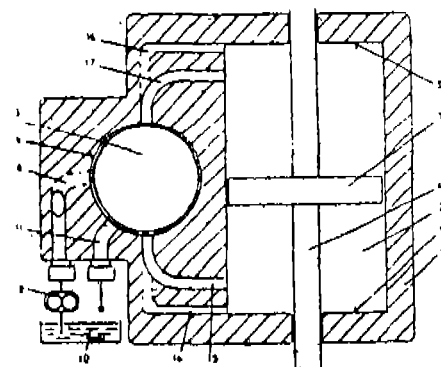
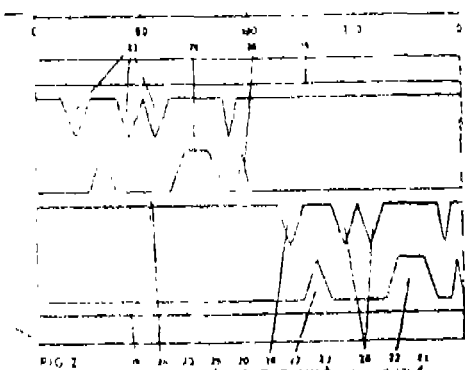
Applicant & Inventor : HELMUT SIEKE AND INGRID SIEKE OF BINGERTSTRASSE 10, D 6200 WIESBADEN, OF WEST GERMAN NATIONALITY.

Application No. 167/Mas/85 filed 4 March, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

8 Claims

A device for vibrating a piston (3) in a hydraulic cylinder (2) comprising an oil container (10), a pump (9) connected to the said oil container, a rotating control valve connected to the said pump through a pressure line conduit (8), at least two conduits (14, 15 and 16, 17) connecting the control valve to the space between the piston (3) in the hydraulic cylinder (2) and the wall (5) of the hydraulic cylinder (2), wherein at least one such conduit (14, 16) being the conduit for the inflow of pressurised oil and at least one such second conduit (15, 17) being the conduit for the outflow of pressurised oil.



Compl Specn. 15 pages.

Drgs. 2 sheets.

CLASS :

164193

Int. Cl.⁴ : F 28 C 1/04.

A FILM FILL PACK FOR WATER COOLING TOWER.

Applicant : THE MARLEY COOLING TOWER COMPANY, 1900 JOHNSON DRIVE, MISSION WOODS, KANSAS 66205 U. S. A. A CORPORATION OF THE STATE OF DELAWARE.

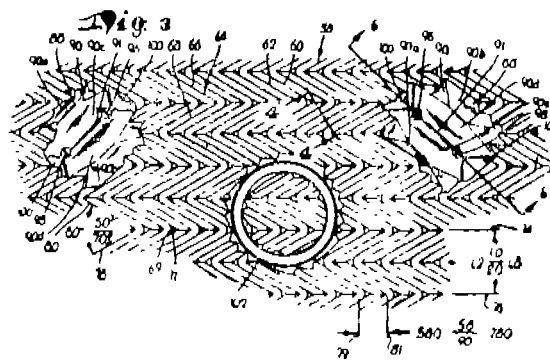
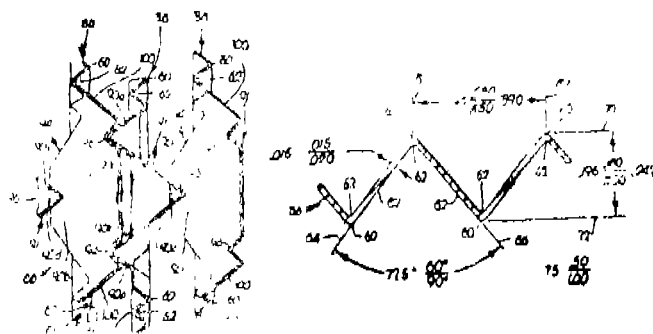
Inventors : (1) OHLER L. KINNEY JR., & (2) DONALD J. LILLIG.

Application for Patent No. 328/Mas/85 filed on 29th April, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

21 Claims

A film fill pack for water cooling towers comprising, a series of thin, integral, generally parallel, side-by-side spaced sheets of material adapted for film flow of water to be cooled thereover, said sheets each being formed in a repeating chevron pattern to present a series of zig-zag, serpentine, spaced ridges on opposed faces of the sheet which define respective complementally configured zig-zag grooves between each adjacent pair of ridges, the ridges on one face of each sheet defining the grooves on the opposite face thereof and vice versa, said ridges each being made up of a series of end-to-end triangular section alternately facing in opposite directions and having corresponding diverging leg segments which present a respective interior acute angle therebetween, the ridges and thereby the grooves therebetween being of generally triangular configuration transversely thereof, the distance from the outermost portions of one face of each formed sheet to the outermost portions of the opposed face of the respective sheet (out-to-out dimension) being in the range of 0.18 inch to 0.30 inch, the lift to the zig-zag pattern, i.e. the distance from the zone of merger of two ridge leg segments facing in one direction to the next adjacent zone of merger of two ridge segments of the same ridge and facing in the same direction being from 1 to 2 inches, the interior acute angle defined by diverging leg segments within the range of 50° to 70°; the included angle between the surfaces of each ridge and thereby each groove transversely thereof being within the range of 60° to 90°, and the center-to-center spacing between adjacent sheets being in the range of 1/4 inch to 1 inch.



Compl. Specn. 27 pages.

Drgs. 4 sheets.

CLASS :

164194

Int. Cl.⁴ : D 01 H 3/14.

AN APPARATUS FOR CONTROLLING THE DRAWING PROCESS ON AUTOLEVELLER DRAWFRAMES IN THE TEXTILE INDUSTRY.

Applicant : ZELLWEGER USTER LIMITED, OF WILSTRASSE 11, CH-8610 USTER, SWITZERLAND. A SWISS COMPANY.

Inventor : ERNET FELIX; PETER FELLER.

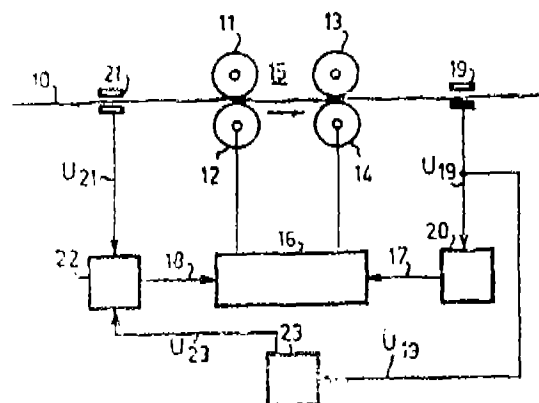
Application No. 363/Mas/85 filed on 14th May, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

6 Claims

An apparatus for controlling the drawing process on autoleveller drawframes in the textile industry, wherein textile material is passed through a drafting zone formed by front and rear pairs of drafting rollers, comprising : first means for measuring the cross-section of the textile material before it reaches said drafting zone to produce a first test signal representing said measured cross-section; means for amplifying said first test signal and for supplying

said amplified first test signal with a preselected delay as a control signal; speed control means for controlling the speed of at least one of said front and rear pairs of drafting rollers in response to said control signal; second means for measuring the cross-section of said textile material after it passes from said drafting zone to produce a second test signal; and control means for controlling at least one of the amplification and the delay of said first test signal forming said control signal on the basis of said second test signal.



Compl. Specn. 16 pages.

Drgs. 4 sheets.

164195

Int. Cl.⁴ : G 11 B 5/56, 23/04.

A DISK DRIVE FOR READING AND WRITING INFORMATION ON A FLEXIBLE DISK IN THE DISK CARTRIDGE.

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, U. S. A. OF ARMONK, NEW YORK, U.S.A.

Inventor : MICHAEL LYNN SENDELWECK.

Application No. 467/Mas/85 filed 24 June 1985.

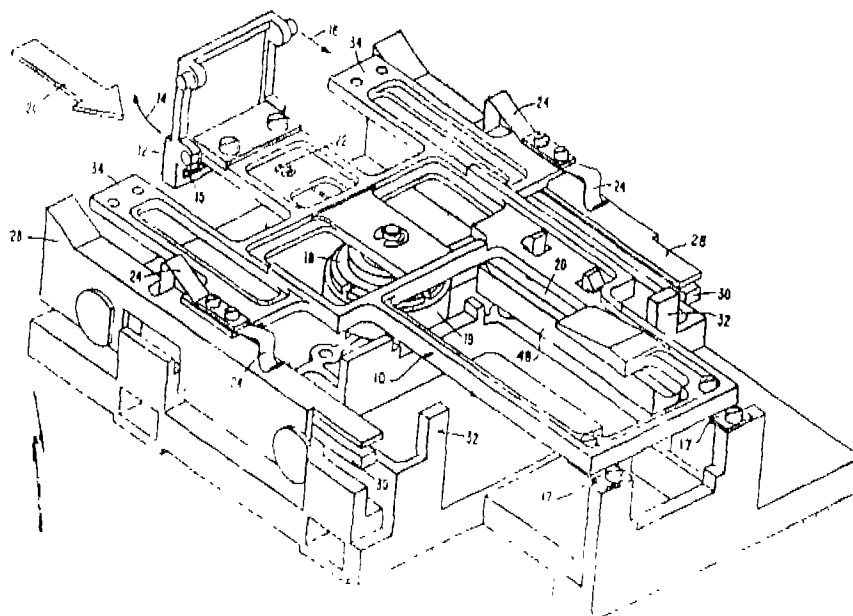
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

12 Claims

A disk drive for reading and writing information on a flexible disk in the disk cartridge, said drive having means for rotating the flexible disk within the disk cartridge in a predetermined plane of rotation and means for loading and registering disk cartridges in the drive in which said loading and registering means comprises lower guide means for supporting and guiding the disk cartridge as it is inserted into the drive; upper guide means connected with said lower guide means for detecting the thickness of the cartridge inserted into the drive and means responsive to the detected thickness of the cartridge for moving said lower and upper guides to a reference position where each cartridge inserted in the drive is positioned with its flexible disk in the predetermined plane of rotation.

Compl. specn. 16 pages.

Drgs. 9 sheets



Int. Cl. : F 16 L 19/04.

164196

A JOINT FOR A PIPE PROVIDED WITH A FLARED END.

Applicant : GS-HYDRO OY, A FINNISH COMPANY OF KOYHAMAENTIE, 01511 VANTAA 51, FINLAND.

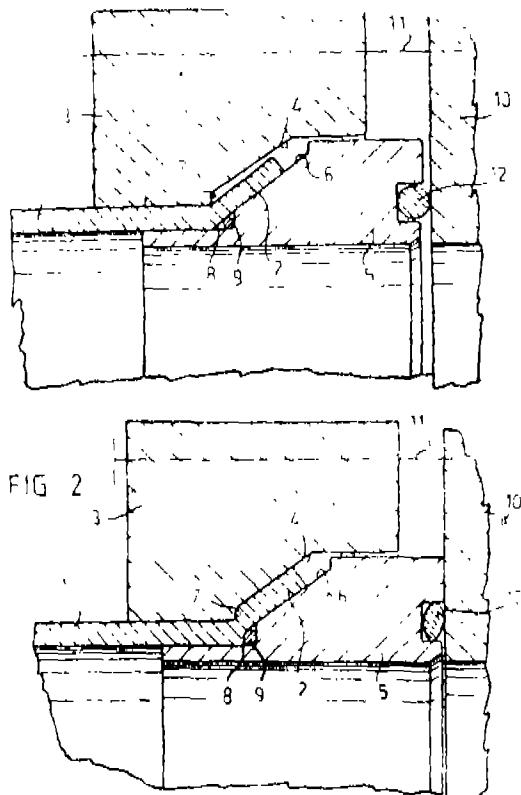
Inventor : GORAN SUNDHOLM.

Application No. 501/Mas/85 filed 2nd July 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims

A joint for a pipe (1) provided with a flared (2) end, comprising a tightening flange (3) provided with an internal supporting surface (4) for making contact with the outside of the flare (2), and an insert piece (5) provided with an external supporting surface (6) for making contact with the inside of said flare (2), characterized in that said internal supporting surface (4) of the tightening flange (3) is provided, in the radially inner end thereof, with a rounded shoulder (7) for initiating contact with the outside of the flare (2) at least essentially in the transition area between said flare and the axial portion of the pipe (1), when the tightening flange (3) is tightened, and that the external supporting surface (6) of the insert piece (5) is provided, in the radially inner end thereof, with a notch (8) for receiving the pipe material deformed by said shoulder (7) of the tightening flange (3).



Compl. specn. 7 pages.

Drg. 1 sheet

154197

Int. Cl. : F 03 D 1/06.

IMPROVED ROTOR FOR A WIND TURBINE.

Applicant : SRI AUROBINDO SOCIETY, A SOCIETY REGISTERED UNDER THE WEST BENGAL SOCIETIES ACT, 1961, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT SOCIETY HOUSE 64 MANAKULA VINAYAKAR KOVIL STREET, PONDICHERRY, INDIA AND ITS REGISTERED OFFICE AT SRI AUROBINDO BHAWAN, 8 SHAKESPEARE SARANI, CALCUTTA-700 016.

Inventor : NANDA KISHORE PANDA.

Application No. 113/Mas/86 filed 19th February 1986.

Complete Specification left on 14th May 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims

An improved rotor for a wind turbine which comprises one or two circular hub discs adapted to be mounted on the shaft of said turbine for rotation therewith :

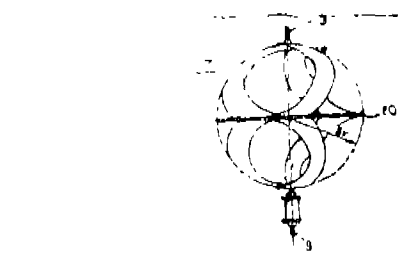
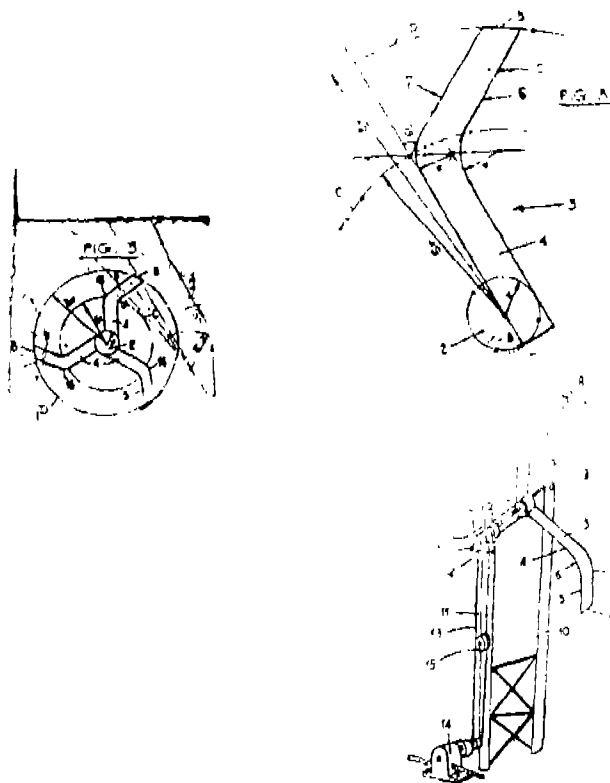
two or more blades mounted within and extending radially outward from said hub or hubs;

a leading edge and a trailing edge on each of the said blades which are equidistant from each other;

the leading edge of each of the said blades when extended passes through the centre of the said circular hub;

each of said blades having a zero blade angle such that the blades lie uniformly in a single plane;

each blade when viewed in cross section from leading edge to trailing edge presenting a symmetrically shaped aerofoil profile the outer extremity of each blade being inclined by from 30 to 120 degrees to the major axis thereof to provide a spiral configuration to the rotor, the dimensions of blades being determined in relation to the radius of the central hub disc whereby if 'r' represents the radius of the hub disc, each blade is inclined away from its major axis on a point lying on a circle having a radius substantially equal to 5r and the tip of each blade lies on a circle having a radius substantially equal to 8r.



Pro. Specn. 6 pages.

Compl. specn. 11 pages.

Drgs. 4 sheets

Drgs. 2 sheets

Int. Cl.⁴ : A 47 J 31/20.

164198

5 Claims

A DEVICE FOR PREPARING A DECOCTION OF TEA.

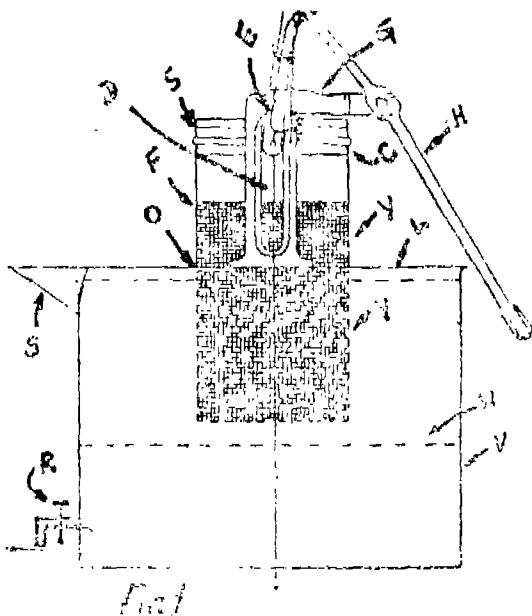
Applicant & Inventor : RAJ RAVI, AB 67 III STREET, ANNA NAGAR, MADRAS 600 040, TAMIL NADU, INDIA, INDIAN NATIONAL.

Application No. 303/Mas/86 filed 23 April 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

7 Claims

A device for preparing a decoction of tea comprising a vessel for receiving hot water, the vessel having a removable lid with an opening through which a filter-can, provided with a mesh or perforations on at least a portion of its periphery, is insertable and suspensible within the vessel; a frame fixed to the lid or to the vessel with a supporting member movably mounted on the frame, the filter-can being supported on the said supporting member whenever suspended through the opening in the vessel; and a handle coupled to the supporting member for lowering and raising the filter-can, whereby an operation of the handle, the filter-can along with tea leaves therein is lowered through the opening into the vessel to immerse in the hot water therein over a predetermined interval of time, thus producing a decoction of tea.



Compl. specn. 10 pages.

Drgs. 2 sheets

Int. Cl.⁴ : C 07 D 411/14

164199

A PROCESS FOR PREPARING SPIRO (1, 3-OXATHIO-LANE-5, 3') QUINUCLIDINE DERIVATIVES**Applicant**

: STATE OF ISRAEL, REPRESENTED
BY THE PRIME MINISTER'S OFFICE
The Israel Institute for Biological Research
P.O.B. 19, Ness-Ziona, Israel.

Inventor

: ABRAHAM FISHER; ISHAI KAR-
TON; ELIAHU HELDMAN; AHARON
LEVY; YONA GRUNFELD.

Application No. 865/MAS/86 filed 4 November, 1986

Convention dated 22nd April 1986 (No. 507, 296; CANADA)

Appropriate Office for Opposition proceedings (Rule 4, Patents rules 1972) Patent Office, Madras Branch.

A process for preparing spiro (1, 3-oxathiolane-5, 3') quinuclidine derivatives having the general formula shown in fig. 20 of the accompanying drawings, and geometrical isomers, enantiomers, diastereoisomers, racemates and/or acid addition salts thereof wherein Z represents the group CR^1R^2 in which R^1 is selected from the group consisting of hydrogen, lower alkyl of 1 to 6 carbon atoms, cyclopentyl, cyclohexyl, carbocyclic aryl of 6 to 16 carbon atoms, diarylmethylol, and lower alkyl of 1 to 6 carbon atoms which is substituted by one or more carbocyclic aryl groups of 6 to 16 carbon atoms, and R^2 is selected from the group consisting of lower alkyl of 1 to 6 carbon atoms, cyclopentyl, cyclohexyl, carbocyclic aryl of 6 to 16 carbon atoms, diarylmethylol, and lower alkyl of 1 to 6 carbon atoms, which is substituted by one or more carbocyclic aryl groups, of 6 to 16 carbon atoms, the said process comprises reacting in the presence of an inert organic solvent and of an acid catalyst, 3-hydroxy-2- mercaptome-thylquinolidine with a carbonyl compound of formula R^1-CO-R^2 ; isolating the desired product from the reaction mixture and if desired carrying out one or more of the following operations (i) enriching the product in a known manner in respect of a particular geometrical isomer, enantiomer and/or diastereoisomer; (ii) racemizing the enantiomer and/or diastereoisomer in a known manner; (iii) converting in a known manner the free base product into an acid addition salt; and (iv) converting in a known manner; the acid addition salt product into free base.

The compounds prepared according to this invention are useful in treating the diseases of the central nervous system.

(Com. Specn.—83 pages) Drg. 20 sheets.

INT. CLASS⁴ : C 07 D—295/04

164200

PROCESS FOR THE PREPARATION OF NOVEL ALKYL-LENEDIAMINE DERIVATIVES**Applicant**

: NIPPON CHEMIPHAR CO. LTD.
of 2-2-3, Iwamoto-cho,
Chiyoda-ku,
Tokyo, Japan.

Inventor(s)

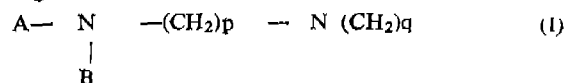
: MITSUO MASAKI, HARUHIKO SHI-
NOZAKI, MASARU SATOH, NOYA
MORITOH, KOICHI HASHIMOTO;
and TOSHIRO KAMISHIRO

Application No. : 63/MAS/87 filed on January 30, 1987.

Appropriate office for Opposition Proceedings (Rule 4, Patent Rules 1972) The Patent Office, Madras Branch.

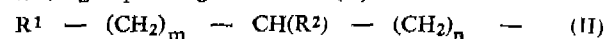
2 Claims

A process for the preparation of alkylenediamine derivative having the formula :



wherein

A is a group having the formula (II) :



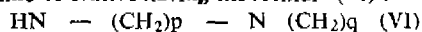
wherein R^1 is a straight or branched aliphatic hydrocarbon group containing 3-8 carbon atoms, an alicyclic group containing 5-8 carbon atoms, an aryl group, or an aralkyl group having a alkyl group containing 1-4 carbon atoms; R^2 is a

straight or branched aliphatic hydrocarbon group containing 3—11 carbon atoms, an alkoxy group containing 3—11 carbon atoms, an aliphatic hydrocarbon group containing an ester bonding and 3—11 carbon atoms, an aliphatic hydrocarbon group containing an ether bonding and 3—11 carbon atoms, or an aryloxy group; each of m and n is an integer of 0 to 2, provided that m+n does not exceed 3, p is an integer of 2 to 6, q is an integer of 4 to 7 and B is hydrogen; which comprises a reacting a carboxylic acid having the formula

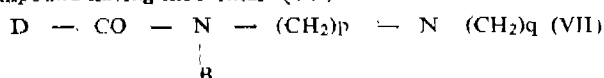
V):



Wherein D—CH₂— is equivalent to A or its derivative with an amine derivative having the formula (VI):



wherein each of p and q has the same meaning as above, at a temperature from room temperature to 160°C, to obtain a compound having the formula (VII):



wherein each of D, B, p and q has the same meaning as above; and reducing the compound of the formula (VII) to obtain the compound of the formula (I).

(Complete Specification: 23 pages; Drawings—nil)

These are employed as glutamate blockers. It is generally accepted that glutamate serves as an excitatory transmitter in the crustacea. Further it is also considered that glutamate is a potent candidate of excitatory transmitter even in the central nervous system of mammal.

CLASS : 8, 81.

164201

Int. Cl. : G 08 b 17/00.

APPARATUS FOR SENSING AND SUPPRESSION OF EXPLOSIVE FIRES.

Applicant : SANTA BARBARA RESEARCH CENTRE, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF CALIFORNIA HAVING A PRINCIPAL PLACE OF BUSINESS AT 75 COROMAR DRIVE, GOLETA, 93117, STATE OF CALIFORNIA, UNITED STATES OF AMERICA.

Inventors : ROBERT JOSEPH CINZORI AND MARK THOMAS KERN.

Application for Patent No. 418/Del/85 filed on 20th May, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

11 Claims

Apparatus for sensing and suppression of explosive fires comprising :

- means for sensing the occurrence of electromagnetic wave energy emanating from a fire or explosion and generating a first detection signal in response thereto;
- means for simultaneously sensing the occurrence of mechanical wave energy emanating from a fire or explosion and generating a second detection signal in response thereto;

(c) a first signal processing channel for processing said first detection signal at high speeds on the order of milliseconds said first processing channel connected to said means for sensing electromagnetic wave energy and having a first threshold detecting means for producing said first detection signal at the output of said first threshold detecting means when said first detection signal exceeds a predetermined level;

(d) a second signal processing channel for processing said second detection signal at high speeds on the order of milliseconds, said second processing channel connected to said means simultaneously sensing mechanical wave energy and having a second threshold detecting means for directing said second detection signal to the output of said second threshold detecting means when said second detection signal exceeds a predetermined level; and

(e) gate means having first and second inputs connected respectively to said outputs of said first and second threshold detecting means for generating a fire suppression output signal for activating a fire suppressant when first and second detection signals appear simultaneously on said first and second inputs.

Compl. specn. 24 pages.

Orgs. 4 sheets

CLASS :

164202

Int. Cl.⁴ : F 41 D 7/00.

RIOT CONTROL WEAPON.

Applicant : ROYAL ORDNANCE PLC., A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNITED KINGDOM, OF 5 GRIFFIN HOUSE, THE STRAND, LONDON WC2N 5BB, ENGLAND.

Inventor : JACK WILLIAM COMLEY.

Application for Patent No. 473/Del/85 filed on 13th June, 1985.

Convention date June 15, 1984/8415311/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A riot control weapon comprising :

- a barrel;
- a breech block fixed relative to the barrel;
- a chamber located between the barrel and the breech block;
- a loading aperture through which a round of ammunition can be inserted into the chamber so as to rest against the breech block with its forward end engaged in the barrel;
- ejection means for biasing a round of ammunition towards ejection through the loading aperture;
- a trigger;
- a firing pin having a rest position said firing pin being movable against resilient means by operation of the trigger and releasable for firing any round present in the chamber upon further operation of the trigger;
- a loading catch resiliently biased towards a retaining position where it can retain a round of ammunition in the chamber against the bias of the ejection means;
- a resilient interconnection between the trigger and the loading catch for biasing the loading catch away from the retaining position when the trigger is operated; and
- an interlock actuated by the firing pin for preventing movement of the loading catch from the retaining position except when the firing pin is in its rest position;

the spent round being retained in place following firing a round of ammunition and consequent release of the loading catch solely by the transient frictional force between the spent round and the breech block resulting from the residual pressure of gases generated by firing.

Compl. specn. 12 pages.

Drgs. 2 sheets.

CLASS :

164203

Int. Cl.⁴ : B29C 65/44, 63/06.

A METHOD OF MAKING RUBBER COVERED ROLLS.

Applicant : ARMSTRONG WORLD INDUSTRIES, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA, OF P. O. BOX 3001, LANCASTER, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventor : JAMES EARL ATKINS.

Application for Patent No. 540/Del/85 filed on 10th July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

A method of making a rubber covered roll comprising the steps of :

- (a) providing an arbor which is to be covered with a rubber covering, said arbor being covered with a coating of conventional adhesive;
- (b) placing a first rubber covering of a lesser durometer reading on the central region of the arbor.
- (c) placing a second and third rubber covering of a greater durometer reading on the two end regions of the arbor.
- (d) applying pressure to the two end rubber coverings to for all three rubber coverings into intimate contact; and
- (e) subjecting the rubber covered arbor to heat to vulcanize the second and third rubber coverings to the ends of the first rubber covering and to bond by means of said adhesive the composite rubber coverings to the arbor.

Compl. Specn. 6 pages.

Drg. 1 sheet.

CLASS :

164204

Int. Cl.⁴ : B65G 37/00.

A CONVEYOR HAVING A MUTUALLY SPACED DRIVEN ROLLERS FOR CONVEYING HOT ROLLED ROD RINGS IN COMBINATION WITH AN APPARATUS FOR RAPIDLY AIR COOLING SAID RINGS.

Applicant : MORGAN CONSTRUCTION COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE COMMONWEALTH OF MASSACHUSETTS, UNITED STATES OF AMERICA, OF 15 BELMONT STREET, WORCESTER, MASSACHUSETTS 01605, UNITED STATES OF AMERICA.

Inventors : ASIED AHMED JALIL AND CHARLES HOWARD GAGE.

Application for Patent No. 731/Del/85 filed on 4th September, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

3 Claims

A conveyor having a mutually spaced driven rollers for conveying hot rolled rod rings is combination with an apparatus for rapidly air cooling hot rolled rod rings being transported on said mutually spaced driven rollers of said conveyor in the form of overlapping offset rings, said apparatus underlying said rollers of said conveyor, wherein said apparatus comprises, a deck underlying said rollers and forming the roof of a plenum chamber, a source of cooling air located in said plenum chamber, characterized in that said deck is comprised of a plurality of deck members spaced one from the other to define a series of nozzles therebetween, said deck members having apertures to form another series of nozzles, said deck members being arranged in relation to said rollers such that one of said series of nozzles defines a first means for directing first jets of cooling air upwardly to impinge against and to flow around said rollers, and the other series of said nozzles defines a second means for directing second jets of cooling air upwardly between said rollers.

Compl. Specn. 13 pages.

Drgs. 6 sheets.

CLASS :

164205

Int. Cl.⁴ : C 22 B 43/00.

A MEHOD FOR THE RECOVERY OR EXTRACTION OF METALLIC MERCURY FROM MERCURY-CONTAINING GASES.

Applicant : BOLIDEN AKTIEBOLAG, A SWEDISH COMPANY, OF STUREGATAN 22, BOX 5508, S-114 85 STOCKHOLM, SWEDEN.

Inventors : FROYSTEIN DYVIK AND KJETIL BORVE.

Application for Patent No. 763/Del/85 filed on 18th September, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A method for the recovery or extraction of metallic mercury from mercury-containing gases of the kind such as herein described which comprises the liquid phase reaction of said gases with a solution of mercury (II)-chloride compounds whereby the mercury vapour in said gases reacts with said compounds to form only slightly soluble mercury (I)-chloride (calomel) characterised in that said calomel is oxidised by reaction with added chlorine to form easily soluble mercury (II)-chloride compounds and said mercury (II)-chloride compounds thus formed are subjected to electrolysis leading to the formation of metallic mercury and chlorine, said metallic mercury being recovered in any known manner and said chlorine being recycled for oxidation of said calomel.

Compl. Specn. 10 pages.

Drg. 1 sheet.

CLASS :

164206

Int. Cl.⁴ : E03D 5/00.

A FLUSHING CISTERN.

Applicant & Inventor : INDIRA DEVI VERMA, W/o. RAJINDER KUMAR, C/o. SHRI MANIK CHAND JAI KISHAN, GOLD SMITH, P. O. SANSI, ALIGARH, UTTAR PRADESH, INDIA.

Application No. 856/Del/85 filed on 16th October, 1985.

Complete specification left on 14th January, 1987

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005

c. Claims

A flushing cistern comprising a water tank, an inlet pipe for water fitted in the tank, an inlet valve located in the inlet pipe, a float connected to the inlet valve for actuating the inlet valve, a syphon discharge pipe having inlet arm and outlet arm and bent to an inverted U shape and disposed vertically in or outside the tank, the inlet arm being disposed vertically with its mouth, or open end above the level of the floor of the tank and the outlet arm connected to outlet pipe of the tank, and the U-bend normally extending above the level of water in the tank, said tank having actuating means for syphoning the tank characterised in that in the instance where the bend pipe is located internally of said tank, at least the outlet arm of the syphon pipe being flexible/deformable and wherein actuating means for syphoning the tank is adapted to operate on said U-bend pipe and deflect the U-bend to a position below the predetermined normal water level in the tank thereby initiating discharge of water from the tank and in the instance where the bend pipe is located externally of said tank, the open end of one of said two arms is secured to an upwardly bent outlet pipe of the tank extending therefrom while the open end of the other arm is connected to the discharge pipe by sleeve of an elastomeric materials, the bend of the bent pipe being suspended by a clamp or hook fixed to the outside of a side wall of the tank by a spring and a chain or rod for pulling the bent pipe downwardly being fixed to said clamp or hook.

Compl. Specn. 14 pages.

Drgs. 2 sheets.

CLASS : 164207
Int. Class⁴ ; C07d 279/02.

Title : A PROCESS FOR PREPARING A NOVEL CRYSTALLINE FORM OF A MONOETHANOLAMINE SALT OF N-(2-PYRIDYL)-2-METHYL-4-HYDROXY-2H-1, 2, BENZOTHAZINE-3-CARBOXAMIDE 1, 1 DIOXIDE.

Applicant : PFIZER INC., a corporation organised under the laws of the State of Delaware, United States of America of 235 East 42nd Street, New York, State of New York, United States of America.

Inventor : ROBERT LEE ROBERTSON.

Application for Patent No. 866/Del/85 filed on 16th October, 85

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(Claims—9)

A process for preparing the polymorph I form of the monoethanolamine salt of N-(2-Pyridyl)-2-methyl-4-hydroxy-2H-1, 2-benzothiazine-3-carboximide 1,1-dioxide by reacting N-(2-Pyridyl)-2-methyl-4-hydroxy-2H-1, 2-benzothiazine-3-carboxamide 1,1-dioxide with monoethanolamine to form crystalline a product, polymorph II which is thereafter converted to the desired polymorph I, which melts with decomposition at 178-181° C.; exhibits a characteristic X-ray powder diffraction pattern with characteristic peaks at 10.6°, 12.1°, 13.0°, 17.4°, 17.6°, 18.1°, 19.3°, 20.4°, 21.1°, 21.9°, 26.4°, 28.7°, 29.0°, 30.4°, 31.9°, and 32.5°; and is further characterized by the infrared absorption spectrum in potassium bromide

having the following characteristic absorption bands expressed in reciprocal centimeters: 1620, 1595, 1570, 1530, 1510, 1435, 1400, 1315, 1300, 1287, 1250, 1235, 1180, 1165, 1150, 1112, 1090, 1060, 1010, 990, 975, 930, 870, 800, 770, 755, 735, 660, 650, 620, 565, 540, 510, 455, 400 and 365 said process being characterised by contacting said polymorph II with a polar protic solvent or a polar or non-polar aprotic solvent such as herein described, agitating said solution at a temperature ranging from 20°C upto the reflux temperature of the solvent until the formation of polymorph I is substantially complete and precipitating in any known manner, said polymorph I from the said solution.

(Compl. Specn. 25 Pages

Drg. 3 Sheets

CLASS : 164208
Int. Cl.⁴ : D 01 B 1/30, 1/40.

Title : IMPROVED FIBRE DEPITHING DEVICE.

Applicant : PROCESS EVALUATION AND DEVELOPMENT CORPORATION, A DELAWARE CORPORATION, OF 3400 INTERNATIONAL BUILDING, DALLAS, TEXAS 75270, U.S.A.

Inventors : EDUARDO JOFI VILLAVICENCIO AND JORGE ENRIQUE ARANA.

Application for Patent No. 871/Del/85 filed on 17th October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005

8 Claims

An improved fibre depithing device comprising an upper inlet to flow fibre into a cylindrical chamber having perforations in its wall structure; a lower outlet from said cylindrical chamber, a rotor carrying a plurality of blades supported from above for rotation centrally of said cylindrical chamber, drive means connected to said rotor, and a housing surrounding said cylindrical chamber for receiving material passing through the perforations in the wall of said cylindrical chamber; characterised in that said rotor has a separated upper and lower plurality of said blades; the uppermost blades of said upper plurality of blades being feeder blades each having an end surface area at least twice the end surface area of the remaining blades; and the lowermost blades of said lower plurality of blades being fan blades, the end of each said fan blade having a ratio of height to width of at least 5.

Compl. Specn 12 pages.

Drgs. 2 sheets.

CLASS : 164209
Int. Cl. : G09B, 1/00, 1/14, A63F 9/00.

TEACHING AID.

Applicant & Inventor : NOEL IVOR YULE, A ZIMBABWEAN CITIZEN OF 51 RIDGE ROAD, AVONDALE, HARARE, ZIMBABWE.

Application for Patent No. 893/Del/85 filed on 25th October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005

8 Claims

A teaching aid comprising a base having a plurality of spaced parallel ridges with channels between adjacent ridges, the ridges having an inverted U section and the

channels having a corresponding U section and the ridges having sides which bulge outwardly into the adjacent channels; and a plurality of elements resiliently retained on said ridges or in said channels by the bulges.

Compl. Specn. 6 pages

Drw. 1 sheet

CLASS :

164210

Int. Cl.⁺ : E02D 27/04

A MULTIPURPOSE FOUNDATION STRUCTURE
PREFERABLY FOR SUBSEA USE.

Applicant : J & W OFFSHORE AB., A SWEDISH
COMPANY, OF NORDSTADSTORGET 6, S-411 05
GOTEBORG, SWEDEN.

Inventor : BOANDERS ONDREASSON.

Application for Patent No. 925/Del/85 filed on 5th
November, 1985

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office Branch, New Delhi-
110 035

6 Claims

A multipurpose foundation structure preferably for sub-sea use, comprising means for evacuation of water trapped inside the structure to enable the structure to penetrate into and be embedded in the sea bottom strata, characterised by a roof and walls defining a plurality of open bottom cells, said cell walls, when said cells are evacuated penetrate fully into the sea bed such that the roof of the penetrated structure is substantially level with the sea bottom, width of the structure being equal to or in excess of the wall penetration depth, said roof having connection means whereby when the structure is embedded in the sea bed said roof provides a floor accessible for work, connection and installation of external equipment or material.

Compl. Specn. 13 pages

Drws. 6 sheets.

R. A. ACHARYA,

Controller General of Patents, Designs
and Trade Marks.